TestAmerica
ANALYTICAL TESTING CORPORATION

November 22, 2006

Burns & McDonnell, San Francisco
393 E. Grand Avenue, Suite J
San Francisco, CA 94080

Attention: Gary Messerotes

Project: Weber
40641
Sampled: 10/17/06
Test America Number: IPJ1685

Dear Mr. Messerotes:

Frontier Analytical Laboratories performed Method DLM02.0 for tetra- through octa- chlorinated dibenzo dioxins and furans analysis for the project referenced above. Please use the following cross-reference table when reviewing your results.

Burns & McDonnell ID	Test America– Irvine ID	Frontier ID
SW-3	IPJ1685-01	4118-001-SA

Attached is the original report from Frontier Analytical Laboratories. If you have any questions or require further assistance, please contact me at (949) 261-1022 extension 213.

Sincerely yours,

TESTAMERICA

Patty Mata
Project Manager

Enclosure

FRONTIER
ANALYTICAL LABORATORY

October 27, 2006

FAL Project ID: 4118

Ms. Patty Mata
TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614

Dear Ms. Mata,

Enclosed are the results for Frontier Analytical Laboratory project **4118**. This corresponds to your project #IPJ1685. The one aqueous sample received on 10/19/2006 was extracted and analyzed by EPA Method DLM02.0 for tetra through octa chlorinated dibenzo dioxins and furans. TestAmerica requested a turnaround time of fifteen business days for project **4118**.

The following Level IV report consists of two separate sections. The first section is the standard Frontier Analytical Laboratory Level I data package. This includes the case narrative, our project-sample tracking log, the analytical results, your chain of custody, our sample login form, and a sample photo. The second section is the EPA Method DLM02.0 data package. This includes the case narrative and all items listed on the CDD/CDF complete SDG file (CSF) inventory sheet.

I verify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or is/her designee, as verified by the following signature.

If you have any questions regarding project **4118**, please contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Bradley B. Silverbush
Director of Operations

Analytical Data

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **4118**

Received on: **10/19/2006** Project Due: **11/10/2006** Storage: **R1**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time
4118-001-SA	1	IPJ1685	IPJ1685-01	DLM02.0 D/F	Aqueous	10/17/2006	11:40 am

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4118-001-MB
Client ID: Method Blank
Matrix: Aqueous
Batch No: X0990

Date Extracted: 10-25-2006
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: pg/L

Acquired: 10-26-2006
WHO TEQ: 0.00

Compound	Conc	DL	Qual	WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.762		-	0.488				
1,2,3,7,8-PeCDD	ND	1.01		-	0.503				
1,2,3,4,7,8-HxCDD	ND	2.01		-	0.681				
1,2,3,6,7,8-HxCDD	ND	2.66		-	0.689	Total TCDD	ND	0.762	
1,2,3,7,8,9-HxCDD	ND	2.85		-	0.793	Total PeCDD	ND	1.01	
1,2,3,4,6,7,8-HpCDD	ND	2.18		-	0.714	Total HxCDD	ND	2.85	
OCDD	ND	3.65		-	2.15	Total HpCDD	ND	2.18	
2,3,7,8-TCDF	ND	0.699		-	0.435				
1,2,3,7,8-PeCDF	ND	1.86		-	0.572				
2,3,4,7,8-PeCDF	ND	1.65		-	0.543				
1,2,3,4,7,8-HxCDF	ND	1.26		-	0.291				
1,2,3,6,7,8-HxCDF	ND	1.15		-	0.285				
2,3,4,6,7,8-HxCDF	ND	1.33		-	0.317				
1,2,3,7,8,9-HxCDF	ND	1.45		-	0.276	Total TCDF	ND	0.699	
1,2,3,4,6,7,8-HpCDF	ND	1.37		-	0.373	Total PeCDF	ND	1.86	
1,2,3,4,7,8,9-HpCDF	ND	1.57		-	0.540	Total HxCDF	ND	1.45	
OCDF	ND	3.55		-	1.01	Total HpCDF	ND	1.57	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	93.0	25.0 - 164	
13C-1,2,3,7,8-PeCDD	97.5	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	78.5	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	76.4	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	74.7	23.0 - 140	
13C-OCDD	74.1	17.0 - 157	
13C-2,3,7,8-TCDF	92.9	24.0 - 169	
13C-1,2,3,7,8-PeCDF	108	24.0 - 185	
13C-2,3,4,7,8-PeCDF	113	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	74.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	76.6	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	80.2	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	74.2	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	71.9	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	72.7	26.0 - 138	
13C-OCDF	69.9	17.0 - 157	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	103	35.0 - 197

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected
NP	Not Provided
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/27/06

Reviewed By: _____
Date: 10/30/06

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4118-001-OPR
Client ID: OPR
Matrix: Aqueous
Batch No: X0990

Date Extracted: 10-25-2006
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: ng/ml

Acquired: 10-26-2006
WHO TEQ: NA

Compound	Conc	QC Limits
2,3,7,8-TCDD	10.3	6.70 - 15.8
1,2,3,7,8-PeCDD	52.3	35.0 - 71.0
1,2,3,4,7,8-HxCDD	51.9	35.0 - 82.0
1,2,3,6,7,8-HxCDD	53.7	38.0 - 67.0
1,2,3,7,8,9-HxCDD	54.2	32.0 - 81.0
1,2,3,4,6,7,8-HpCDD	53.4	35.0 - 70.0
OCDD	109	78.0 - 144
2,3,7,8-TCDF	11.4	7.50 - 15.8
1,2,3,7,8-PeCDF	54.6	40.0 - 67.0
2,3,4,7,8-PeCDF	55.3	34.0 - 80.0
1,2,3,4,7,8-HxCDF	52.5	36.0 - 67.0
1,2,3,6,7,8-HxCDF	53.4	42.0 - 65.0
2,3,4,6,7,8-HxCDF	53.7	39.0 - 65.0
1,2,3,7,8,9-HxCDF	53.8	35.0 - 78.0
1,2,3,4,6,7,8-HpCDF	55.0	41.0 - 61.0
1,2,3,4,7,8,9-HpCDF	54.8	39.0 - 69.0
OCDF	110	63.0 - 170

Internal Standards	% Rec	QC Limits
13C-2,3,7,8-TCDD	88.8	20.0 - 175
13C-1,2,3,7,8-PeCDD	101	21.0 - 227
13C-1,2,3,4,7,8-HxCDD	79.5	21.0 - 193
13C-1,2,3,6,7,8-HxCDD	76.6	25.0 - 163
13C-1,2,3,4,6,7,8-HpCDD	75.5	26.0 - 166
13C-OCDD	71.7	13.0 - 198
13C-2,3,7,8-TCDF	86.9	22.0 - 152
13C-1,2,3,7,8-PeCDF	99.6	21.0 - 192
13C-2,3,4,7,8-PeCDF	106	13.0 - 328
13C-1,2,3,4,7,8-HxCDF	77.3	19.0 - 202
13C-1,2,3,6,7,8-HxCDF	78.1	21.0 - 159
13C-2,3,4,6,7,8-HxCDF	80.4	17.0 - 205
13C-1,2,3,7,8,9-HxCDF	75.4	22.0 - 176
13C-1,2,3,4,6,7,8-HpCDF	73.1	21.0 - 158
13C-1,2,3,4,7,8,9-HpCDF	72.7	20.0 - 186
13C-OCDF	69.2	13.0 - 198

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	93.0	31.0 - 191

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected
NP	Not Provided
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/27/06

Reviewed By: _____
Date: 10/30/06

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4118-001-SA
Client ID: IPJ1685-01
Matrix: Aqueous
Batch No: X0990

Date Extracted: 10-25-2006
Date Received: 10-19-2006
Amount: 1.036 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: pg/L

Acquired: 10-26-2006
WHO TEQ: 0.00202

Compound	Conc	DL	Qual	WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	1.00		-	0.488				
1,2,3,7,8-PeCDD	ND	0.959		-	0.503				
1,2,3,4,7,8-HxCDD	ND	1.30		-	0.681				
1,2,3,6,7,8-HxCDD	ND	1.70		-	0.689	Total TCDD	ND	1.00	
1,2,3,7,8,9-HxCDD	ND	1.80		-	0.793	Total PeCDD	ND	0.959	
1,2,3,4,6,7,8-HpCDD	ND	3.34		-	0.714	Total HxCDD	ND	1.80	
OCDD	20.2	-	J	0.00202	2.15	Total HpCDD	ND	3.34	
2,3,7,8-TCDF	ND	0.622		-	0.435				
1,2,3,7,8-PeCDF	ND	1.07		-	0.572				
2,3,4,7,8-PeCDF	ND	0.946		-	0.543				
1,2,3,4,7,8-HxCDF	ND	0.558		-	0.291				
1,2,3,6,7,8-HxCDF	ND	0.491		-	0.285				
2,3,4,6,7,8-HxCDF	ND	0.568		-	0.317				
1,2,3,7,8,9-HxCDF	ND	0.609		-	0.276	Total TCDF	ND	0.622	
1,2,3,4,6,7,8-HpCDF	ND	1.34		-	0.373	Total PeCDF	ND	1.07	
1,2,3,4,7,8,9-HpCDF	ND	1.61		-	0.540	Total HxCDF	ND	0.609	
OCDF	ND	3.04		-	1.01	Total HpCDF	ND	1.61	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	87.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	88.7	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	82.0	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	81.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	86.4	23.0 - 140	
13C-OCDD	89.5	17.0 - 157	
13C-2,3,7,8-TCDF	87.4	24.0 - 169	
13C-1,2,3,7,8-PeCDF	93.2	24.0 - 185	
13C-2,3,4,7,8-PeCDF	96.4	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	76.5	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	77.6	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	80.4	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	79.7	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	80.8	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	84.4	26.0 - 138	
13C-OCDF	84.5	17.0 - 157	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	90.4	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected
NP	Not Provided
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/27/06

Reviewed By: _____
Date: 10/30/06

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

Sample Receipt

TestAmerica
ANALYTICAL TESTING CORPORATION

4118
0°

SUBCONTRACT ORDER - PROJECT # IPJ1685

SENDING LABORATORY:
TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:
Frontier Analytical Lab - SUB
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone :(916) 934-0900
Fax: (916) 934-0999

Work Order Comments:
Need method DLM020-Dioxins/Furans, Geotracker EDF, ERPIMS EDD.

Standard TAT is requested unless specific due date is requested => Due Date:_____ **Initials:**_____

Analysis	Expiration	Comments
Sample ID: IPJ1685-01 Water	**Sampled: 10/17/06 11:40**	
~~8290/1613~~-Dioxin-HR	10/24/06 11:40	Sub Frontier Analytical. Need DLM020 method
EDF	11/14/06 11:40	Global=SL603798629

Containers Supplied:
1 L Amber (IPJ1685-01A)
1 L Amber (IPJ1685-01B)

SAMPLE INTEGRITY:

All containers intact: ☑ Yes ☐ No
Custody Seals Present: ☑ Yes ☐ No
Sample labels/COC agree: ☑ Yes ☐ No
Samples Preserved Properly: ☑ Yes ☐ No
Samples Received On Ice:: ☑ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
Fed Ex Bank	10/18/06		[signature]	10/19/06	1000

Released By	Date	Time	Received By	Date	Time

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **4118**

Client:	TestAmerica - Irvine, CA
Client Project ID:	IPJ1685
Date Received:	10/19/2006
Time Received:	10:00 am
Received By:	NM
Logged In By:	NM
# of Samples Received:	1
Duplicates:	1
Storage Location:	R1

Method of Delivery:	Fed-Ex
Tracking Number:	792225085535
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test for residual Chlorine	Yes
Thiosulfate Added	No
Earliest Sample Hold Time Expiration	10/28/2006
Adequate Sample Volume	Yes
Anomalies or additional comments:	

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

5172 Hillsdale Circle • El Dorado Hills, CA 95762 • Tel (916) 934-0900 • Fax (916) 934-0999 • www.frontieranalytical.com

CDD/CDF COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Frontier Analytical Laboratory
CITY/STATE El Dorado Hills / CA
CASE NO. NA SDG NO. NA SDG NOS. TO FOLLOW NA
TASK ORDER NO. NA
CONTRACT NO. NA
SOW NO. NA FAL-4118

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK EPA
1.	**Inventory Sheet** (DC-2) (Do not number)	NA	NA		
2.	**SDG Narrative**	1	8		
3.	**Traffic Report**	9	10		
4.	**CDD/CDF Data**				
a.	Sample Data				
	Sample Data Summary (FORM I-HR CDD-1)	11	11		
	Toxicity Equivalence Summary (FORM I-HR CDD-2)	12	12		
	Second Column confirmation Summary (FORM I-HR CDD-3)	NA	NA		
	Selected Ion Current Profile (SICP) for each sample	13	23		
	Quantitation Reports and Area Summaries	24	24		
	Total Homologue Concentration Summary (FORM II-HR CDD)	25	25		
b.	Quality Control Data				
	Lab Control Sample Summary (FORM III-HR CDD-1)	26	26		
	Lab Control Sample Duplicate Summary (FORM III-HR CDD-2)	NA	NA		
	Method Blank Summary (FORM IV-HR CDD)	27	27		
	Window Defining Mix Summary (FORM V-HR CDD-1)	28	29		
	Chromatographic Resolution Summary (FORM V-HR CDD-2)	36	31		
	Analytical Sequence Summary (FORM V-HR CDD-3)	32	32		
c.	Calibration Data				
	Initial Calibration Data (FORM VI-HR CDD-1 and FORM VI-HR CDD-2), PFK mass resolution, CDD/CDF standard(s) SICPs, Quantitation Reports, and Area Summaries for the initial (five-point) calibration	33	119		
	Continuing Calibration Data (FORM VII-HR CDD-1 and FORM VII-HR CDD-2), PFK mass resolution, SICPs, Quantitation Reports, and Area Summaries	120	160		
d.	Raw Quality Control Data				
	Blank Data FORM I-HR CDD-1, CDD-2, CDD-3 (if applicable)	161	163		
	Blank Data including SICPs, Quantitation Reports, and Area Summaries for each blank analyzed	164	175		
	LCS FORM I-HR CDD-1 and CDD-2	176	176		

	PAGE NOs. FROM	TO	CHECK LAB	EPA
LCS Data including SICPs, Quantitation Reports, and Area Summaries	177	188	____	____
5. Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	189	194	____	____
Internal sample and sample extract transfer Chain of Custody Records	195	195	____	____
Screening records	NA	NA	____	____
All instrument output, including strip charts from screening activities (describe or list)				
_____	NA	NA	____	____
6. EPA Shipping/Receiving Documents				
Airbills (No. of shipments 1)	196	196	____	____
Chain of Custody Records	197	197	____	____
Sample Tags	NA	NA	____	____
Sample Log-In Sheet (Lab & DC-1)	198	198	____	____
Traffic Report Cover Sheet	NA	NA	____	____
Miscellaneous Shipping/Receiving Records (describe or list)				
_____	NA	NA	____	____
7. Internal Lab Sample Transfer Records and Tracking Sheets				
(Describe or list)				
_____	NA	NA	____	____
8. Other Records (describe or list)				
Telephone Communication Log				
_____	NA	NA	____	____

9. **Comments:** _____

Completed by:

(CLP Lab) _____ (Signature) Brad Silverman Director of Operations (Print Name & Title) 10/31/06 (Date)

Audited by:

(USEPA) _____ (Signature) _____ (Print Name & Title) _____ (Date)

1DFA - FORM I-HR CDD-1 SAMPLE No.
CDD/CDF SAMPLE DATA SUMMARY IPJ1685-01
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4118-001-SA
SAMPLE wt/vol: 1036 (g/mL): mL LAB FILE ID: 26OCT06M Sam: 5
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-OCT-06
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06
GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	NotFnd	*	*	U	1.00
2,3,7,8-TCDF	304/306	NotFnd	*	*	U	0.622
1,2,3,7,8-PeCDF	340/342	NotFnd	*	*	U	1.07
1,2,3,7,8-PeCDD	356/358	NotFnd	*	*	U	0.959
2,3,4,7,8-PeCDF	340/342	NotFnd	*	*	U	0.946
1,2,3,4,7,8-HxCDF	374/376	NotFnd	*	*	U	0.558
1,2,3,6,7,8-HxCDF	374/376	NotFnd	*	*	U	0.491
1,2,3,4,7,8-HxCDD	390/392	NotFnd	*	*	U	1.30
1,2,3,6,7,8-HxCDD	390/392	NotFnd	*	*	U	1.70
1,2,3,7,8,9-HxCDD	390/392	NotFnd	*	*	U	1.80
2,3,4,6,7,8-HxCDF	374/376	NotFnd	*	*	U	0.568
1,2,3,7,8,9-HxCDF	374/376	NotFnd	*	*	U	0.609
1,2,3,4,6,7,8-HpCDF	408/410	NotFnd	*	*	U	1.34
1,2,3,4,6,7,8-HpCDD	424/426	NotFnd	*	*	U	3.34
1,2,3,4,7,8,9-HpCDF	408/410	NotFnd	*	*	U	1.61
OCDD	458/460	49:41	0.82	20.2	J	*
OCDF	442/444	NotFnd	*	*	U	3.04

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:25	0.79	0.65-0.89	87.1	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:12	1.57	1.32-1.78	88.7	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:34	1.27	1.05-1.43	82.0	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:44	1.25	1.05-1.43	81.3	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:09	1.05	0.88-1.20	86.4	23-140
13C-OCDD	470/472	49:39	0.89	0.76-1.02	89.5	17-157
13C-2,3,7,8-TCDF	316/318	26:40	0.79	0.65-0.89	87.4	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:29	1.57	1.32-1.78	93.2	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:47	1.57	1.32-1.78	96.4	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:10	0.53	0.43-0.59	76.5	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:22	0.53	0.43-0.59	77.6	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:44	0.52	0.43-0.59	79.7	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:18	0.53	0.43-0.59	80.4	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:15	0.44	0.37-0.51	80.8	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:03	0.45	0.37-0.51	84.4	26-138
13C-OCDF	454/456	50:02	0.90	0.76-1.02	84.5	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:27	NA	NA	90.4	35-197

Column to be used to flag values outside (QC) limits.

ANALYST: _____ DATE: 10/27/06

1DFB - FORM I-HR CDD-2
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

SAMPLE No.
IPJ1685-01

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4118-001-SA

SAMPLE wt/vol: 1036 (g/mL): mL LAB FILE ID: 26OCT06M Sam: 5

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-OCT-06

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

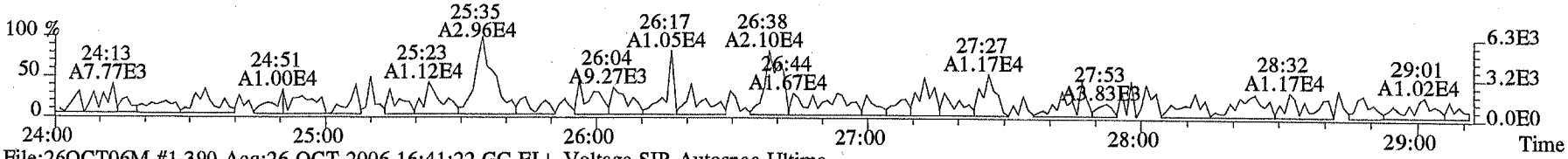
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	CONCENTRATION	TEF*		TEF-ADJUSTED CONCENTRATION
2,3,7,8-TCDD	*	x 1.0	=	*
2,3,7,8-TCDF	*	x 0.1	=	*
1,2,3,7,8-PeCDF	*	x 0.05	=	*
1,2,3,7,8-PeCDD	*	x 0.5	=	*
2,3,4,7,8-PeCDF	*	x 0.5	=	*
1,2,3,4,7,8-HxCDF	*	x 0.1	=	*
1,2,3,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,4,7,8-HxCDD	*	x 0.1	=	*
1,2,3,6,7,8-HxCDD	*	x 0.1	=	*
1,2,3,7,8,9-HxCDD	*	x 0.1	=	*
2,3,4,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,7,8,9-HxCDF	*	x 0.1	=	*
1,2,3,4,6,7,8-HpCDF	*	x 0.01	=	*
1,2,3,4,6,7,8-HpCDD	*	x 0.01	=	*
1,2,3,4,7,8,9-HpCDF	*	x 0.01	=	*
OCDD	20.2	x 0.001	=	0.0202
OCDF	*	x 0.001	=	*
		Total	=	0.0202

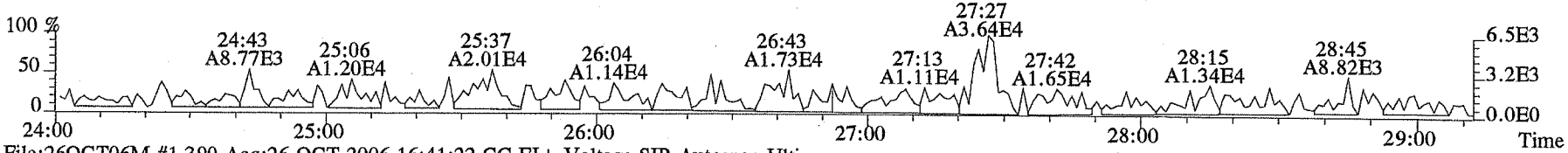
* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

ANALYST: _____ DATE: 10/27/06

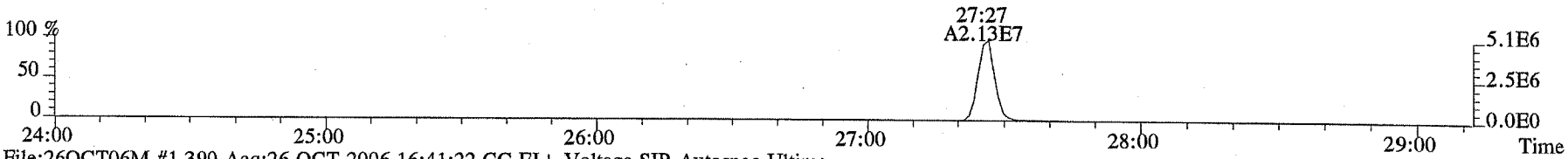
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



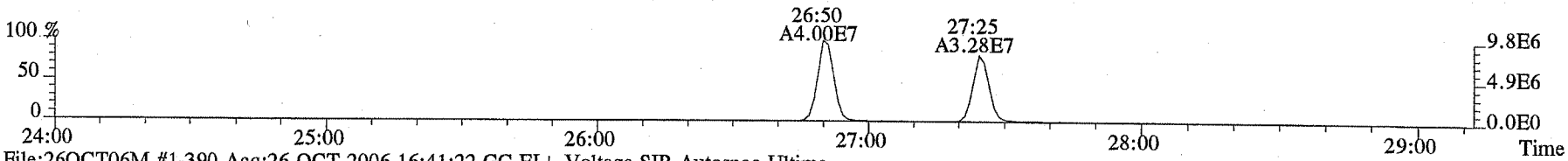
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



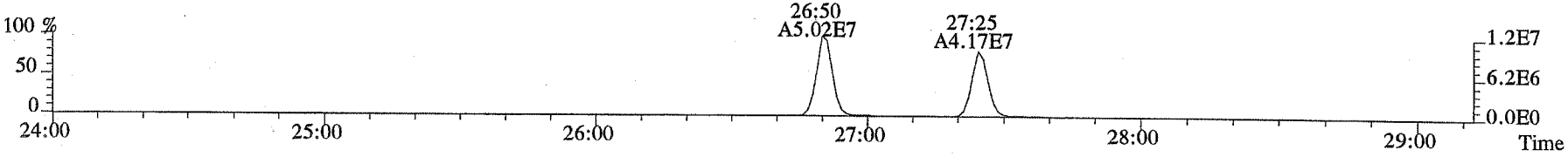
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



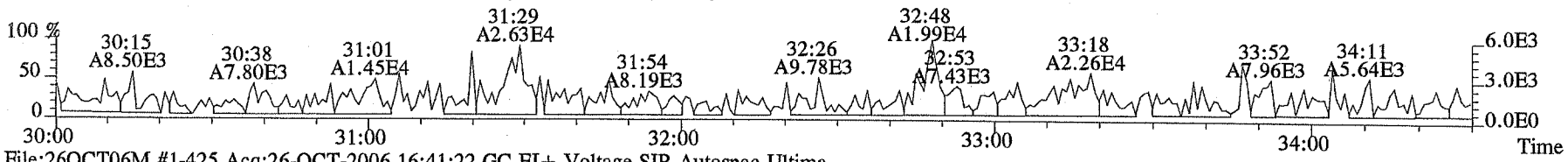
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



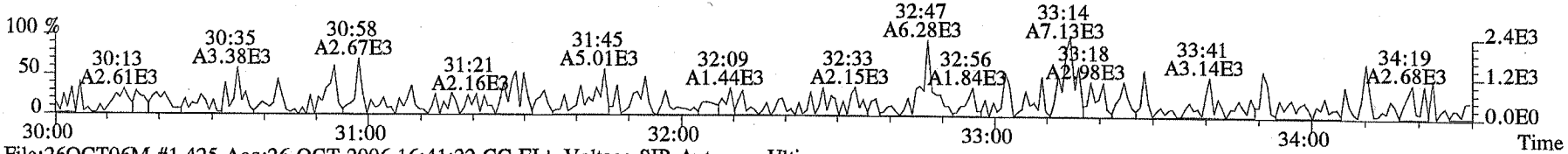
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



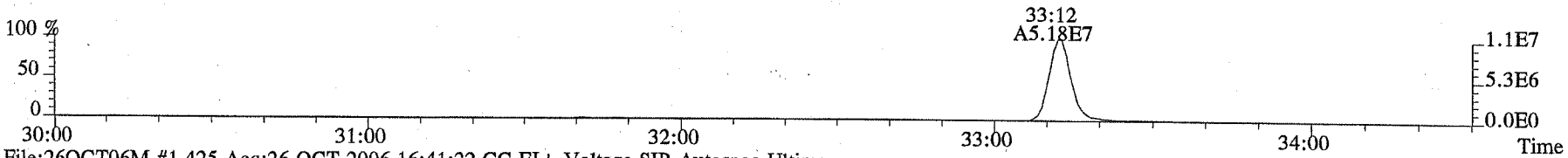
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



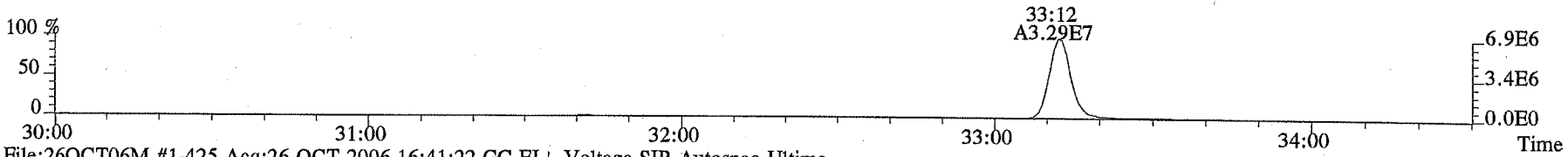
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



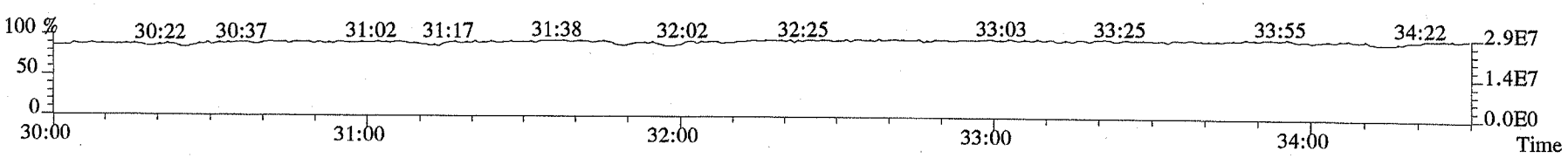
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



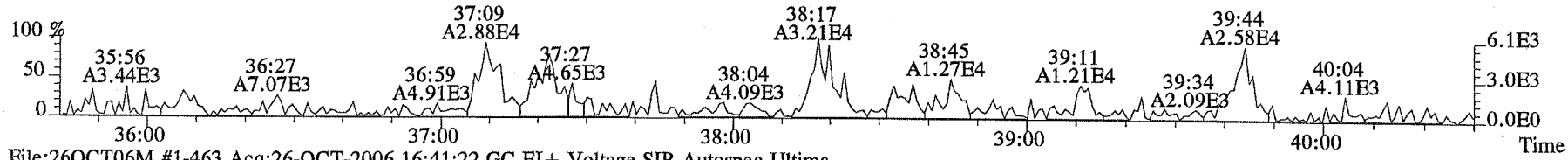
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



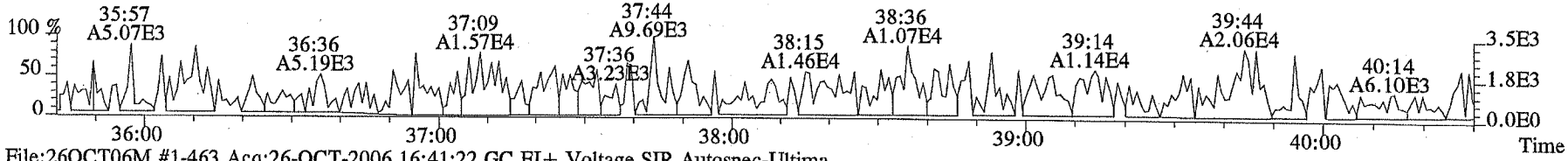
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



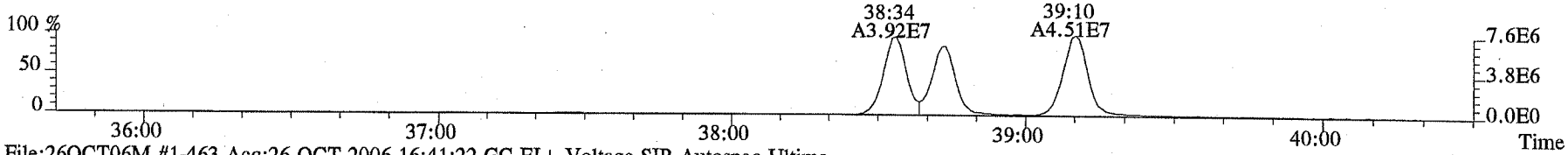
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



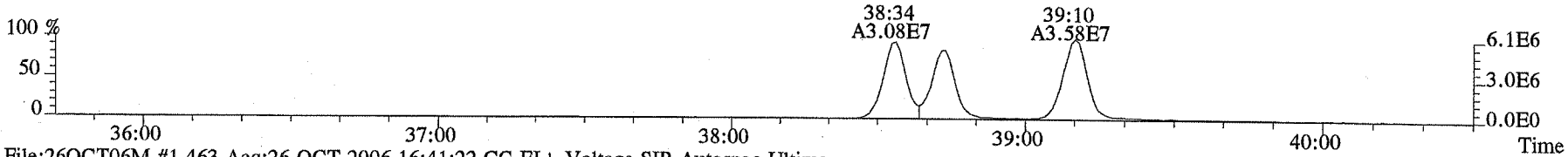
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



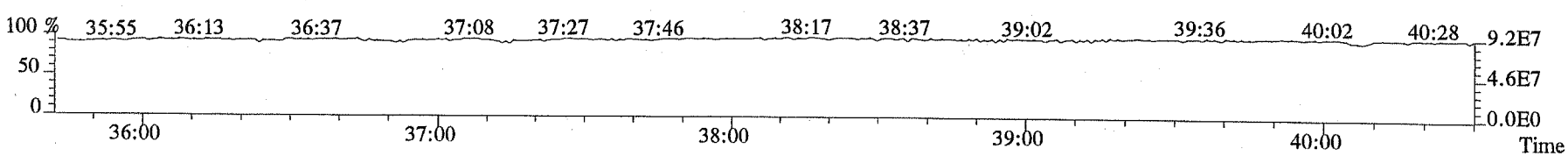
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



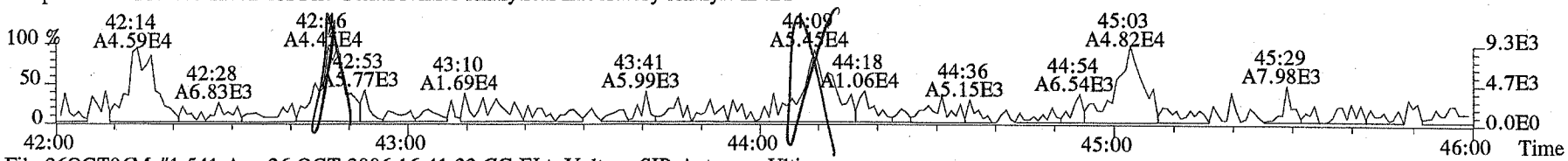
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



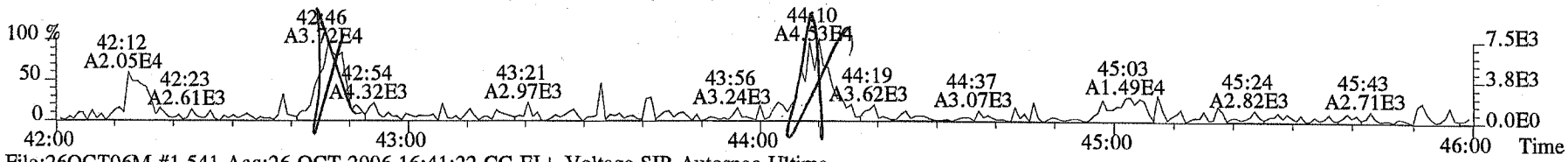
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:5 F:3 Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



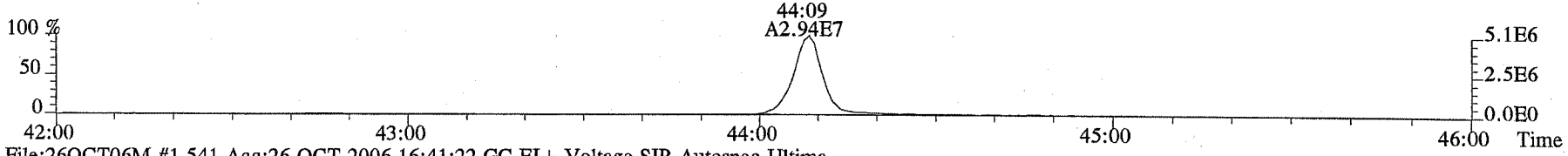
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



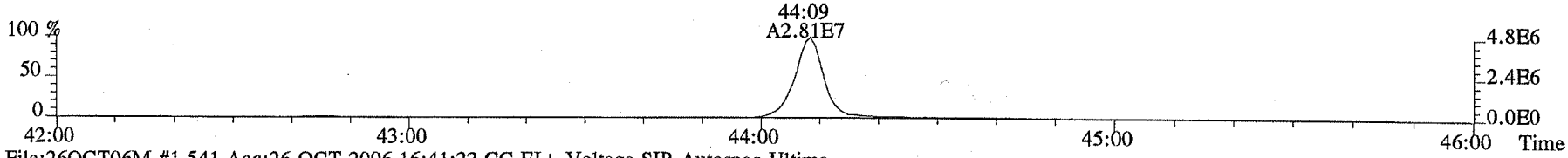
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



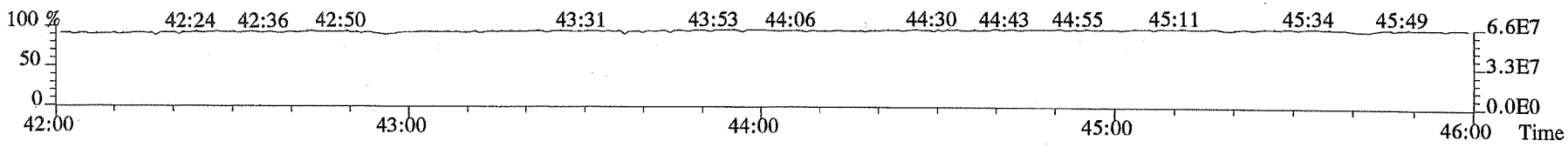
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



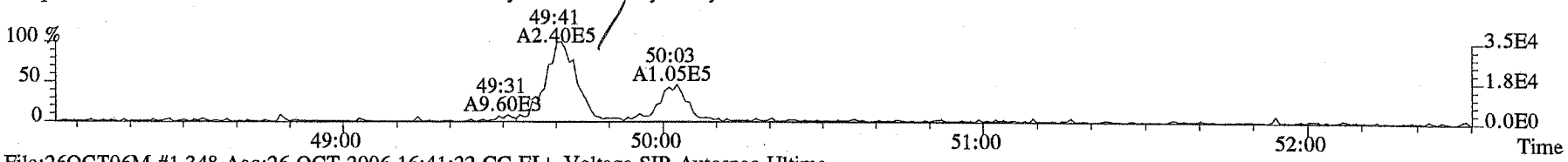
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



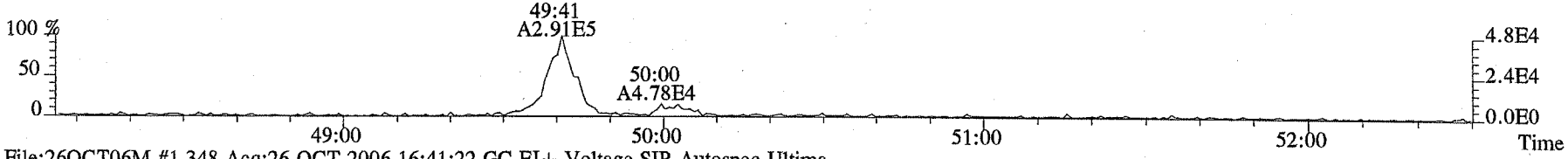
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



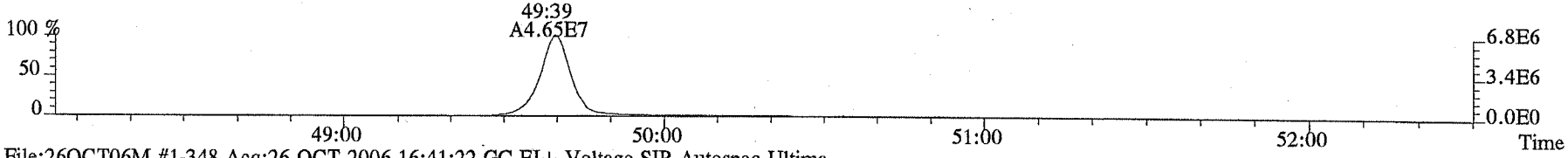
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



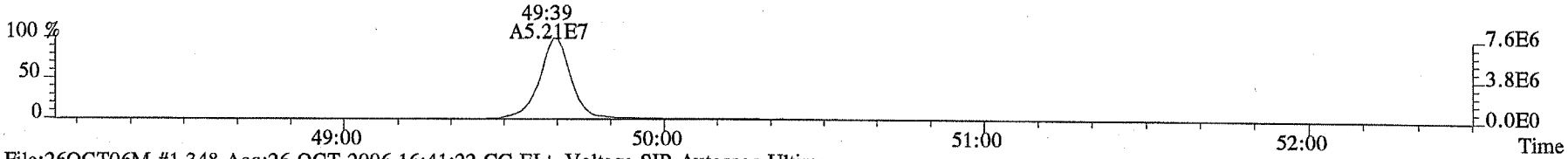
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



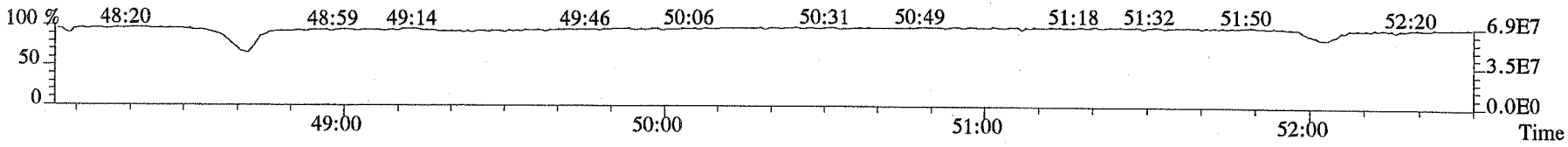
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



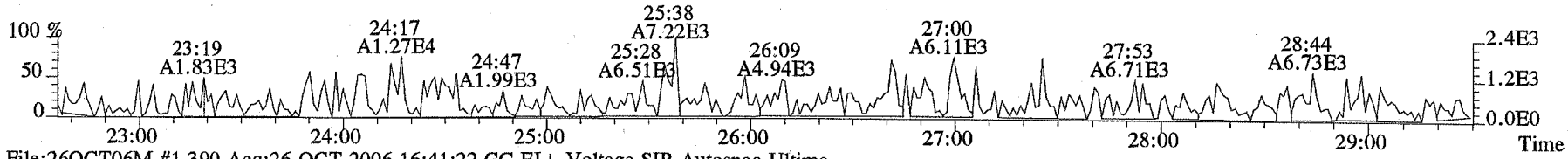
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



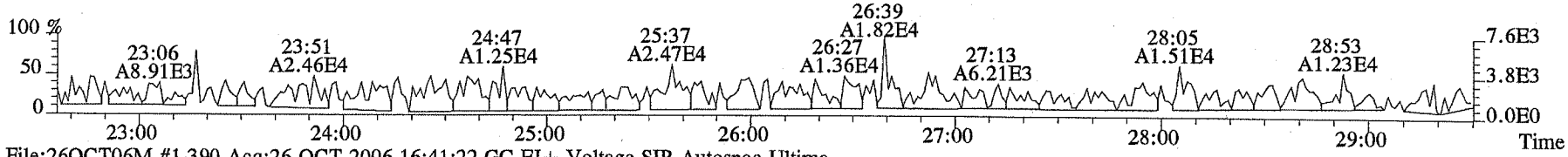
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



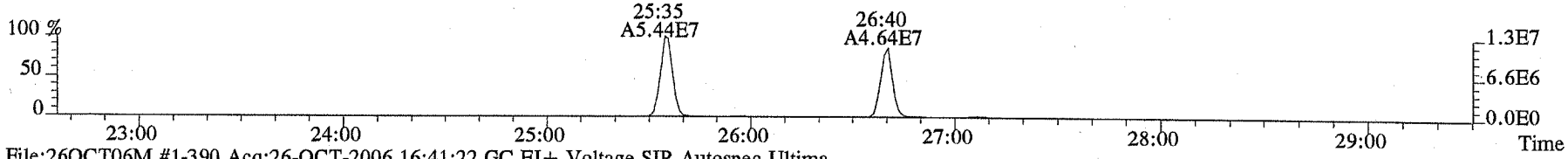
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



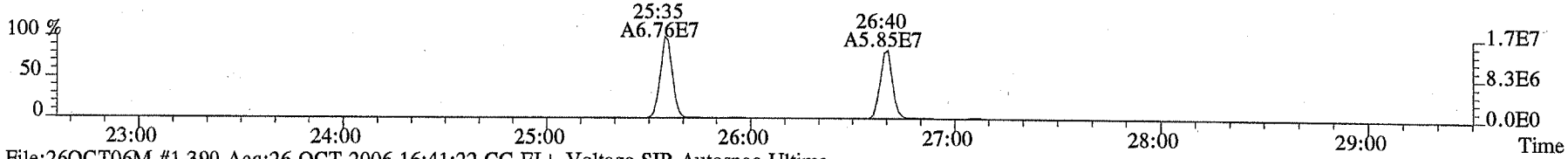
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



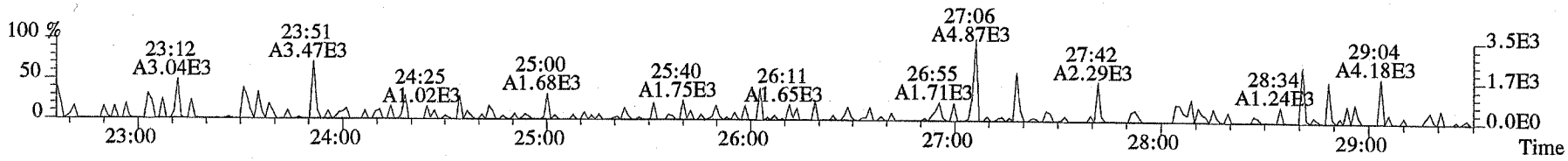
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



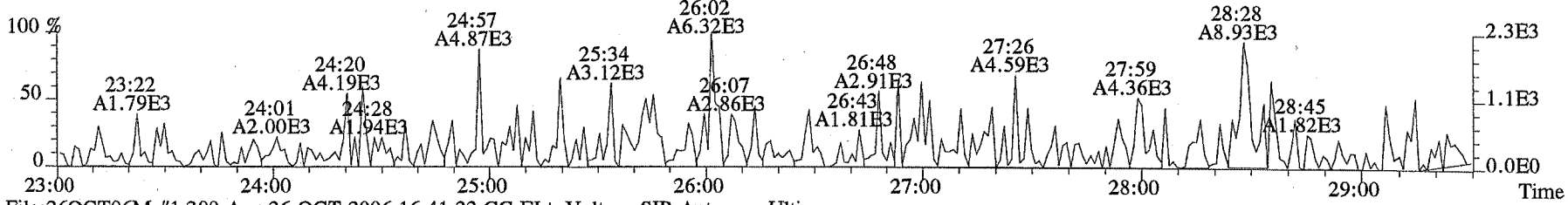
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



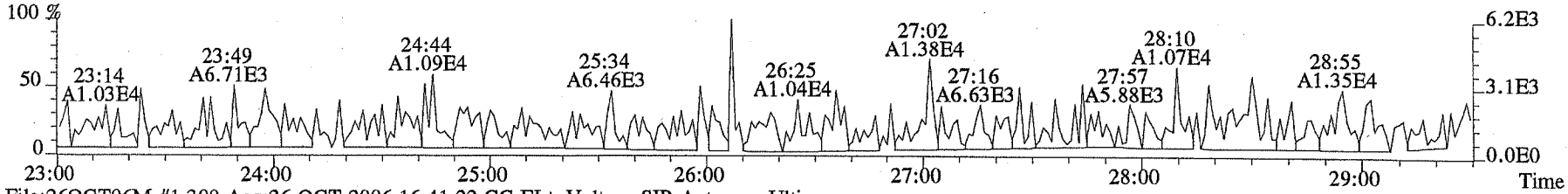
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



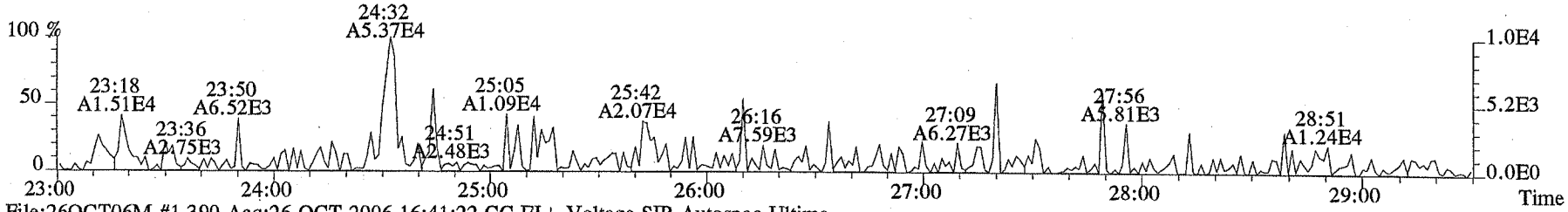
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



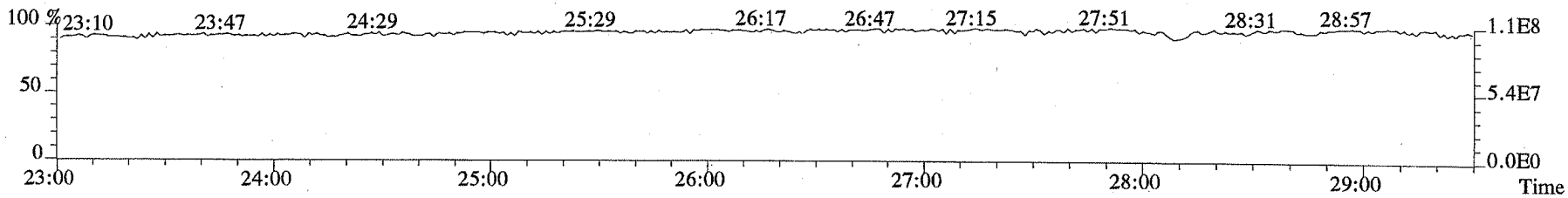
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



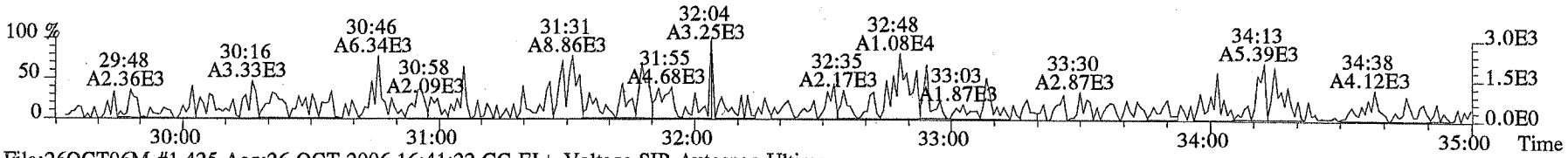
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



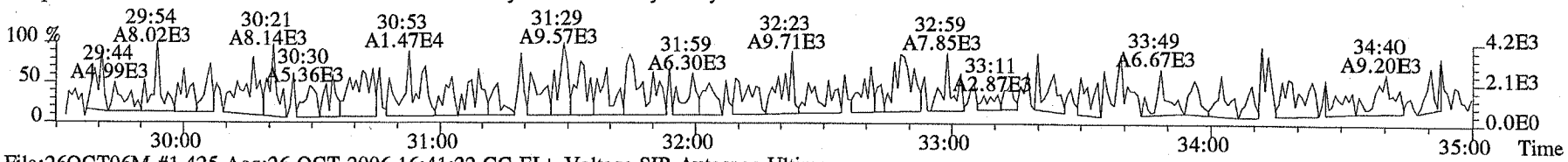
File:26OCT06M #1-390 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:5 Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



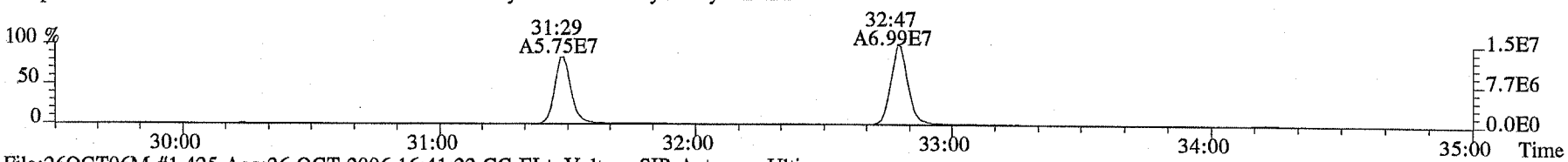
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



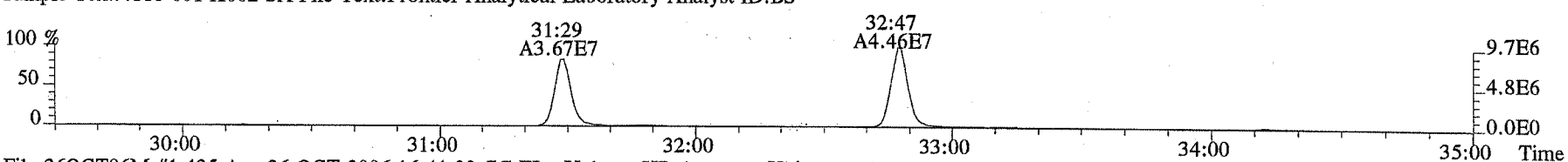
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



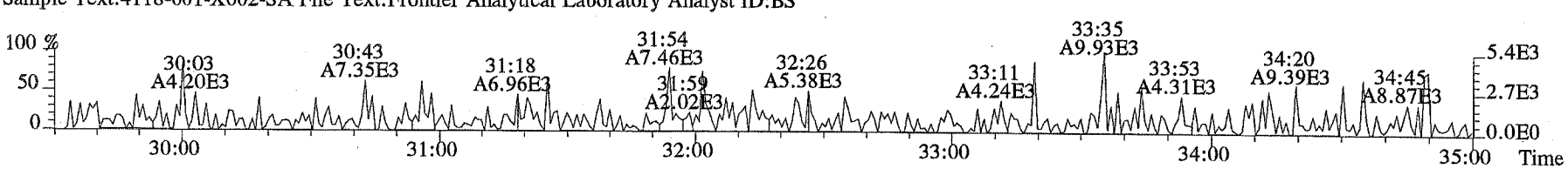
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



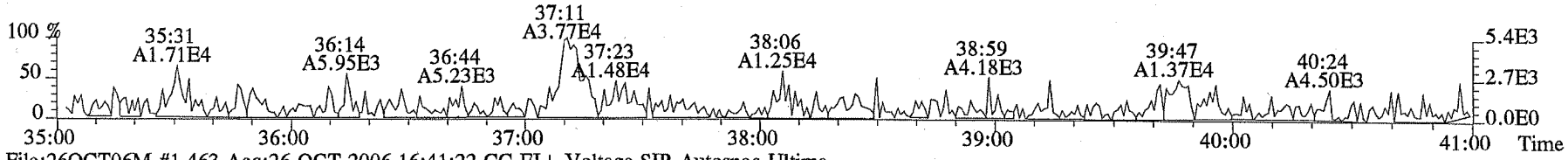
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



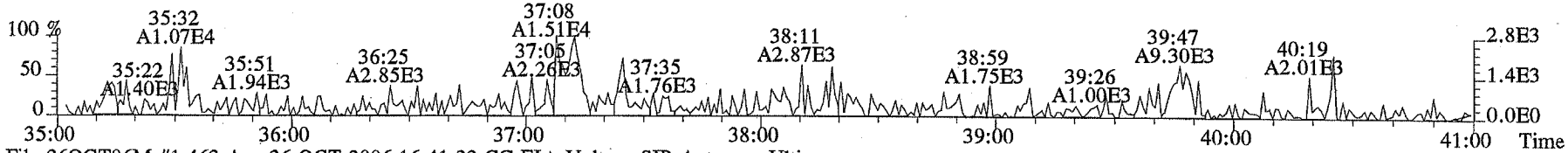
File:26OCT06M #1-425 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



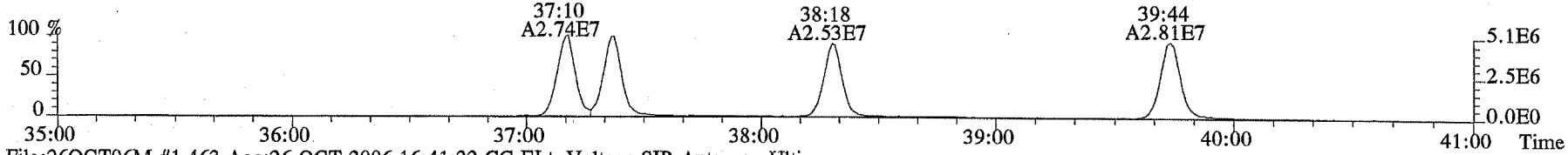
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



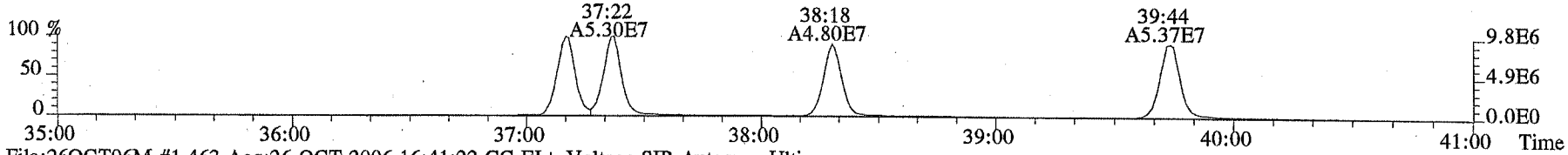
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



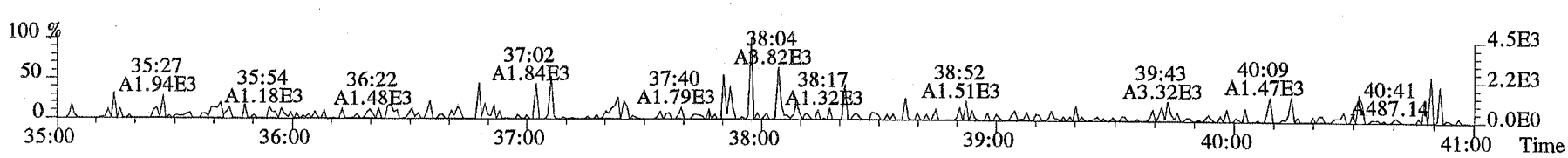
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



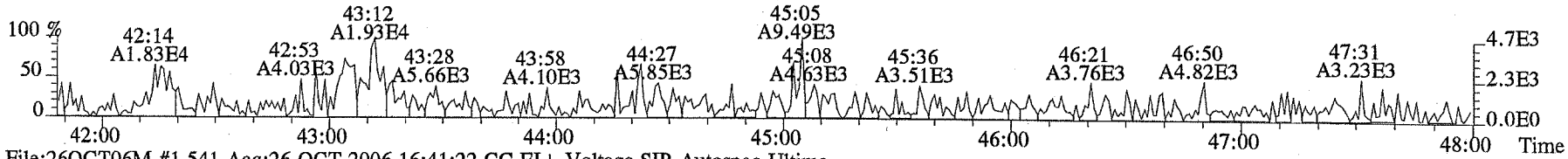
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



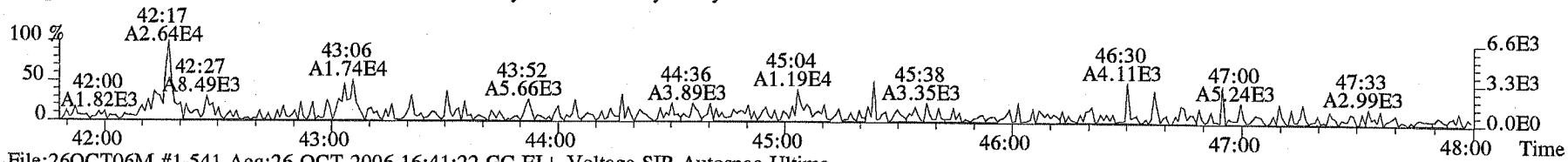
File:26OCT06M #1-463 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



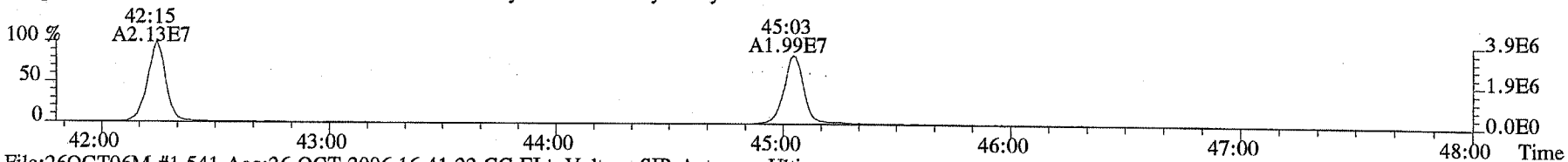
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



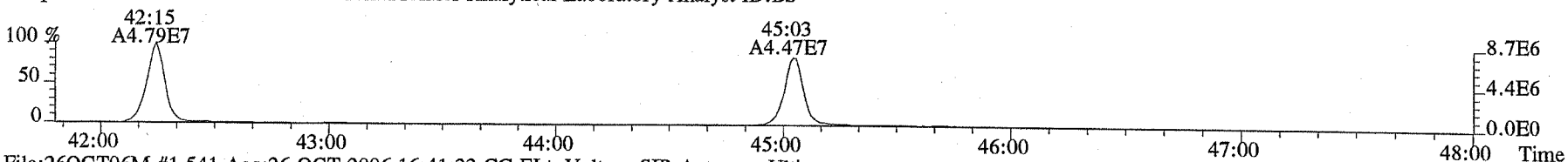
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



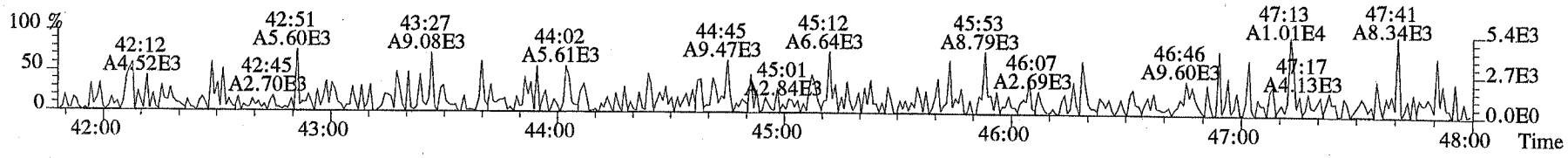
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



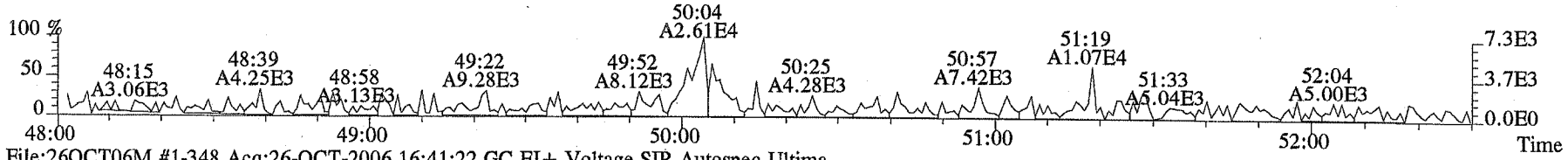
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



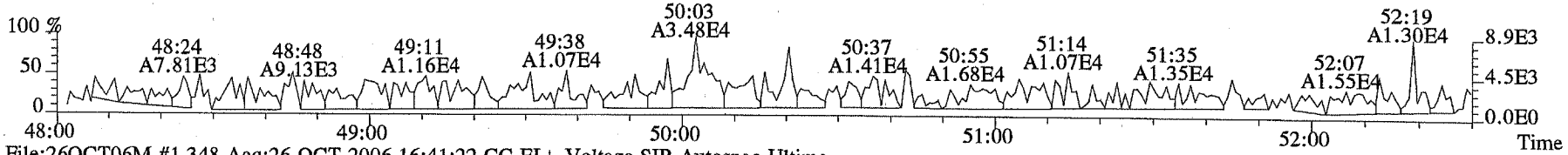
File:26OCT06M #1-541 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



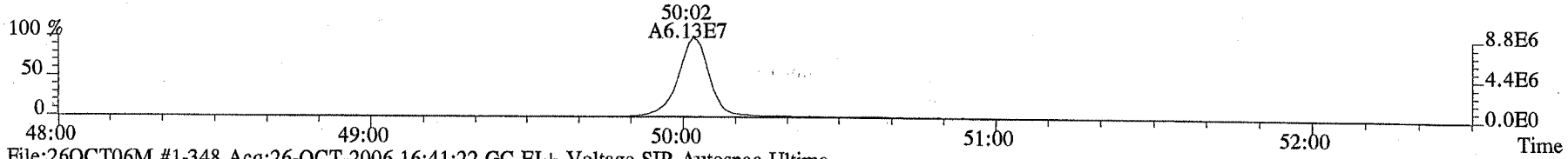
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



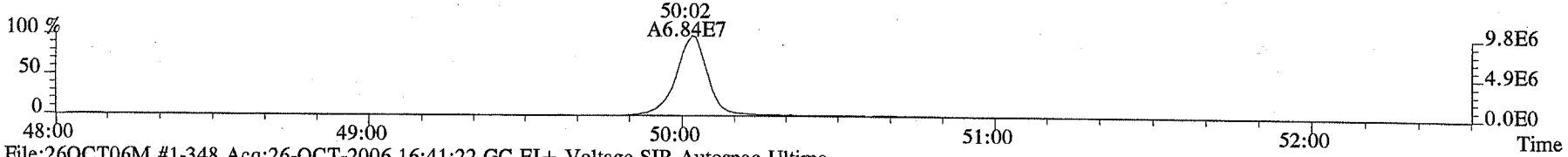
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



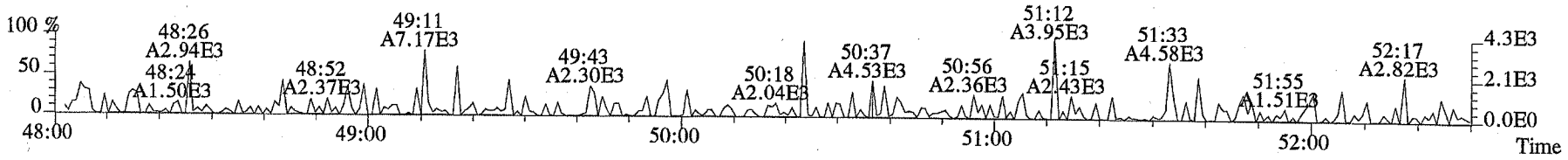
File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-348 Acq:26-OCT-2006 16:41:22 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4118-001-X002-SA File Text:Frontier Analytical Laboratory Analyst ID:BS



FAL ID: 4118-001-X002-SA Filename: 26OCT06M Sam:5 Acquired: 26-OCT-06 16:41:22 ICal: PCDDFAL3-10-24-06
Client ID: IPJ1685-01 ConCal: ST102606M1 EndCal: ST102606M2
Results: 4117 GC Column: DB5 Amount: 1.036 NATO 1989 Tox: 0.0202
WHO 1998 Tox: 0.00202

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	*	*	n	NotFnd	1.19	*		2.50	2490	1.00	
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.69	*		2.50	949	0.959	
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.94	*		2.50	1480	1.30	
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	0.81	*		2.50	1480	1.70	
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	0.74	*		2.50	1480	1.80	
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	0.89	*		2.50	2980	3.34	
OCDD	5.31e+05	0.82	y	49:41	1.03	20.2	J	2.50	-	*	
2,3,7,8-TCDF	*	*	n	NotFnd	0.97	*		2.50	1740	0.622	
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*		2.50	1470	1.07	
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.78	*		2.50	1470	0.946	
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	1020	0.558	
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.02	*		2.50	1020	0.491	
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.97	*		2.50	1020	0.568	
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.89	*		2.50	1020	0.609	
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	0.99	*		2.50	2390	1.34	
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	0.98	*		2.50	2390	1.61	
OCDF	*	*	n	NotFnd	0.84	*		2.50	2600	3.04	

						Rec
13C-2,3,7,8-TCDD	7.45e+07	0.79	y	27:25	0.95	1680	87.1
13C-1,2,3,7,8-PeCDD	8.47e+07	1.57	y	33:12	1.06	1710	88.7
13C-1,2,3,4,7,8-HxCDD	7.00e+07	1.27	y	38:34	1.05	1580	82.0
13C-1,2,3,6,7,8-HxCDD	6.56e+07	1.25	y	38:44	1.00	1570	81.3
13C-1,2,3,4,6,7,8-HpCDD	5.75e+07	1.05	y	44:09	0.82	1670	86.4
13C-OCDD	9.87e+07	0.89	y	49:39	0.68	3460	89.5
13C-2,3,7,8-TCDF	1.05e+08	0.79	y	26:40	0.98	1690	87.4
13C-1,2,3,7,8-PeCDF	9.42e+07	1.57	y	31:29	0.83	1800	93.2
13C-2,3,4,7,8-PeCDF	1.14e+08	1.57	y	32:47	0.97	1860	96.4
13C-1,2,3,4,7,8-HxCDF	7.95e+07	0.53	y	37:10	1.28	1480	76.5
13C-1,2,3,6,7,8-HxCDF	8.09e+07	0.53	y	37:22	1.29	1500	77.6
13C-2,3,4,6,7,8-HxCDF	7.33e+07	0.53	y	38:18	1.12	1550	80.4
13C-1,2,3,7,8,9-HxCDF	8.17e+07	0.52	y	39:44	1.27	1540	79.7
13C-1,2,3,4,6,7,8-HpCDF	6.92e+07	0.44	y	42:15	1.06	1560	80.8
13C-1,2,3,4,7,8,9-HpCDF	6.46e+07	0.45	y	45:03	0.94	1630	84.4
13C-OCDF	1.30e+08	0.90	y	50:02	0.95	3260	84.5
37Cl-2,3,7,8-TCDD	2.13e+07			27:27	0.65	698	90.4
13C-1,2,3,4-TCDD	9.02e+07	0.80	y	26:50	-	43.0	
13C-1,2,3,4-TCDF	1.22e+08	0.80	y	25:35	-	38.2	
13C-1,2,3,7,8,9-HxCDD	8.10e+07	1.26	y	39:10	-	50.7	

				Fac	Noise	DL	#Hom	
Total Tetra-Dioxins	*	NotFnd	1.19	*	2.50	2490	1.00	0	
Total Penta-Dioxins	*	NotFnd	0.69	*	2.50	949	0.959	0	
Total Hexa-Dioxins	*	NotFnd	0.83	*	2.50	1480	1.80	0	
Total Hepta-Dioxins	*	NotFnd	0.89	*	2.50	2980	3.34	0	
Total Tetra-Furans	*	NotFnd	0.97	*	2.50	1740	0.622	0	
1st Fn. Tot Penta-Furans	*	NotFnd	0.80	*	2.50	1470	1.07	0	PeCDF
Total Penta-Furans	*	NotFnd	0.80	*	2.50	1470	1.07	0	0.00
Total Hexa-Furans	*	NotFnd	0.95	*	2.50	1020	0.609	0	
Total Hepta-Furans	*	NotFnd	0.99	*	2.50	2390	1.61	0	

Analyst: _____ Date: 10/27/06

2DF - FORM II-HR CDD

CDD/CDF TOTAL HOMOLOGUE CONCENTRATION SUMMARY

HIGH RESOLUTION

SAMPLE No. IPJ1685-01

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4118-001-SA

SAMPLE wt/vol: 1036 (g/mL) mL LAB FILE ID: 26OCT06M Sam: 5

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-OCT-06

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

HOMOLOGUE	PEAKS	CONCENTRATION	Q	EMPC/EDL
DIOXINS				
Total TCDD	0	*	U	1.00
Total PeCDD	0	*	U	0.959
Total HxCDD	0	*	U	1.80
Total HpCDD	0	*	U	3.34
FURANS				
Total TCDF	0	*	U	0.622
Total PeCDF	0	*	U	1.07
Total HxCDF	0	*	U	0.609
Total HpCDF	0	*	U	1.61

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Limits (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids). The total homologue concentrations do not affect the TEF (Toxicity Equivalent Factor) calculations.

ANALYST: _____ DATE: 10/27/06

3DFA - FORM III-HR CDD
CDD/CDF LAB CONTROL SAMPLE SUMMARY
HIGH RESOLUTION

SAMPLE No.
OPR

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 0990-001-OPR

SAMPLE wt/vol: 1000 (g/mL) mL LAB FILE ID: 26OCT06M Sam: 2

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 25-OCT-06

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06

INJECTION VOLUME: 2 (uL) DATE ANALYZED: 26-OCT-06

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

SPIKE ANALYTE	SPIKE ADDED	AMOUNT RECOVERED	PERCENT RECOVERY	#	QC LIMITS
2,3,7,8-TCDD	10	10.3	103		67-158
2,3,7,8-TCDF	10	11.4	114		75-158
1,2,3,7,8-PeCDF	50	54.6	109		80-134
1,2,3,7,8-PeCDD	50	52.3	105		70-142
2,3,4,7,8-PeCDF	50	55.3	111		68-160
1,2,3,4,7,8-HxCDF	50	52.5	105		72-134
1,2,3,6,7,8-HxCDF	50	53.4	107		84-130
1,2,3,4,7,8-HxCDD	50	51.9	104		70-164
1,2,3,6,7,8-HxCDD	50	53.7	107		76-134
1,2,3,7,8,9-HxCDD	50	54.2	108		64-162
2,3,4,6,7,8-HxCDF	50	53.7	107		70-156
1,2,3,7,8,9-HxCDF	50	53.8	108		78-130
1,2,3,4,6,7,8-HpCDF	50	55.0	110		82-132
1,2,3,4,6,7,8-HpCDD	50	53.4	107		70-140
1,2,3,4,7,8,9-HpCDF	50	54.8	110		78-138
OCDD	100	109	109		78-144
OCDF	100	110	110		63-170

Column to be used to flag values outside Quality Control (QC) Limits.

Laboratory Control Sample Recovery: 0 Outside limits of 17 total.

ANALYST: _____ DATE: 10/27/06

4DF - FORM IV-HR CDD
CDD/CDF METHOD BLANK SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 0990-001-MB

WATER SAMPLE PREP: SPE (SEPF/SPE) LAB FILE ID: 26OCT06M Sam: 3

GC COLUMN: DB5 ID: 0.25 (mm) DATE EXTRACTED: 25-OCT-06

INSTRUMENT ID: FAL3 DATE ANALYZED: 26-OCT-06

THIS METHOD BLANK APPLIES TO LABORATORY CONTROL SAMPLES (LCSs).

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1613 CS3 (061011J)	ST102606M1	26OCT06M 1	26-OCT-06
OPR	0990-001-OPR	26OCT06M 2	26-OCT-06
Method Blank	0990-001-MB	26OCT06M 3	26-OCT-06
ZZZZZ	ZZZZZ	26OCT06M 4	26-OCT-06
IPJ1685-01	4118-001-SA	26OCT06M 5	26-OCT-06
ZZZZZ	ZZZZZ	26OCT06M 6	26-OCT-06
IPJ1836-01	4123-001-SA	26OCT06M 7	26-OCT-06
IPJ1836-03	4123-003-SA	26OCT06M 8	26-OCT-06
IPJ1836-02	4123-002-SA	26OCT06M 9	26-OCT-06
Solvent Blank	SB102606M	26OCT06M 10	26-OCT-06
1613 CS3 (061011J)	ST102606M2	26OCT06M 11	26-OCT-06

ANALYST: _____ DATE: 10/27/06

5DFA - FORM V-HR CDD-1
CDD/CDF WINDOW DEFINING MIX (WDM) SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 26OCT06M Sam: 1

INSTRUMENT ID: FAL3 DATE ANALYZED: 26-OCT-06

TIME ANALYZED: 12:59:49

CDD/CDF	RT FIRST ELUTING	RT LAST ELUTING
TCDD	24:21	28:20
TCDF	22:59	28:33
PeCDD	30:15	33:48
PeCDF	28:24	34:14
HxCDD	36:08	39:11
HxCDF	35:14	39:45
HpCDD	42:47	44:10
HpCDF	42:16	45:05

ANALYST: _____ DATE: 10/27/06

5DFA - FORM V-HR CDD-1
CDD/CDF WINDOW DEFINING MIX (WDM) SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 26OCT06M Sam: 11

INSTRUMENT ID: FAL3 DATE ANALYZED: 26-OCT-06

TIME ANALYZED: 22:13:25

CDD/CDF	RT FIRST ELUTING	RT LAST ELUTING
TCDD	24:21	28:20
TCDF	22:58	28:33
PeCDD	30:14	33:48
PeCDF	28:24	34:13
HxCDD	36:07	39:10
HxCDF	35:14	39:45
HpCDD	42:46	44:09
HpCDF	42:16	45:04

ANALYST: _____ DATE: 10/27/06

5DFB - FORM V-HR CDD-2
CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 26OCT06M Sam: 1

INSTRUMENT ID: FAL3 DATE ANALYZED: 26-OCT-06

TIME ANALYZED: 12:59:49

Percent Valley determination for DB-5 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

1238-TCDD/2378-TCDD: <25%

QUALITY CONTROL (QC) LIMITS:

Percent Valley between the TCDD isomers must be less than or equal to 25%.

Percent Valley determination for DB-225 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

2347-TCDF/2378-TCDF: <25%

QC Limits:

Percent Valley between the TCDD/TCDF isomers must be less than or equal to 25%.

ANALYST: _____ DATE: 10/27/06

5DFB - FORM V-HR CDD-2
CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 26OCT06M Sam: 11

INSTRUMENT ID: FAL3 DATE ANALYZED: 26-OCT-06

TIME ANALYZED: 22:13:25

Percent Valley determination for DB-5 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

1238-TCDD/2378-TCDD: <25%

QUALITY CONTROL (QC) LIMITS:

Percent Valley between the TCDD isomers must be less than or equal to 25%.

Percent Valley determination for DB-225 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

2347-TCDF/2378-TCDF: <25%

QC Limits:

Percent Valley between the TCDD/TCDF isomers must be less than or equal to 25%.

ANALYST: _____ DATE: 10/27/06

5DFC - FORM V-HR CDD-3
CDD/CDF ANALYTICAL SEQUENCE SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

INIT. CALIB. DATE (S) : 24-OCT-06

INIT. CALIB. TIMES: 12:06:14, 13:01:38, 13:57:01, 11:10:51, 14:52:28, 15:47:52

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1613 CS3 (061011J)	ST102606M1	260CT06M	26-OCT-06	12:59:49
OPR	0990-001-OPR	260CT06M	26-OCT-06	13:55:12
Method Blank	0990-001-MB	260CT06M	26-OCT-06	14:50:36
ZZZZZ	ZZZZZ	260CT06M	26-OCT-06	15:46:00
IPJ1685-01	4118-001-SA	260CT06M	26-OCT-06	16:41:22
ZZZZZ	ZZZZZ	260CT06M	26-OCT-06	17:36:42
IPJ1836-01	4123-001-SA	260CT06M	26-OCT-06	18:32:01
IPJ1836-03	4123-003-SA	260CT06M	26-OCT-06	19:27:17
IPJ1836-02	4123-002-SA	260CT06M	26-OCT-06	20:22:38
Solvent Blank	SB102606M	260CT06M	26-OCT-06	21:18:01
1613 CS3 (061011J)	ST102606M2	260CT06M	26-OCT-06	22:13:25

ANALYST: _____ DATE: 10/27/06

6DFA - FORM VI-HR CDD-1

CDD/CDF INITIAL CALIBRATION RESPONSE FACTOR SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

INIT. CALIB. DATE(S): 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06

INIT. CALIB. TIMES: 12:06:14 13:01:38 13:57:01 11:10:51 14:52:28 15:47:52

	RR/RRF						MEAN		QC
TARGET ANALYTES	CS0	CS1	CS2	CS3	CS4	CS5	RR/RRF	%RSD	LIMITS
2,3,7,8-TCDD	1.23	1.14	1.13	1.23	1.21	1.21	1.19	3.65	+/-20%
2,3,7,8-TCDF	0.96	0.89	0.96	0.98	1.02	1.02	0.97	5.09	+/-20%
1,2,3,7,8-PeCDF	0.76	0.75	0.81	0.86	0.88	0.86	0.82	6.38	+/-20%
1,2,3,7,8-PeCDD	0.66	0.63	0.68	0.71	0.74	0.74	0.69	6.56	+/-20%
2,3,4,7,8-PeCDF	0.73	0.71	0.77	0.80	0.83	0.82	0.78	6.31	+/-20%
1,2,3,4,7,8-HxCDF	0.89	0.87	0.88	0.92	0.94	0.90	0.90	2.75	+/-20%
1,2,3,6,7,8-HxCDF	0.98	0.95	1.00	1.06	1.08	1.04	1.02	5.08	+/-20%
1,2,3,4,7,8-HxCDD	0.91	0.90	0.92	0.98	0.98	0.96	0.94	3.98	+/-20%
1,2,3,6,7,8-HxCDD	0.79	0.77	0.79	0.84	0.86	0.82	0.81	4.05	+/-20%
1,2,3,7,8,9-HxCDD (1)	0.72	0.70	0.73	0.78	0.77	0.75	0.74	4.12	+/-20%
2,3,4,6,7,8-HxCDF	0.94	0.92	0.95	0.98	1.02	0.99	0.97	3.93	+/-20%
1,2,3,7,8,9-HxCDF	0.89	0.84	0.86	0.92	0.95	0.90	0.89	4.67	+/-20%
1,2,3,4,6,7,8-HpCDF	0.96	0.94	0.98	1.02	1.05	1.01	0.99	4.05	+/-20%
1,2,3,4,6,7,8-HpCDD	0.86	0.83	0.87	0.93	0.94	0.92	0.89	4.84	+/-20%
1,2,3,4,7,8,9-HpCDF	0.95	0.91	0.97	1.01	1.05	1.00	0.98	4.99	+/-20%
OCDD	1.01	0.95	0.99	1.07	1.09	1.07	1.03	5.47	+/-20%
OCDF	0.84	0.77	0.83	0.87	0.89	0.86	0.84	4.79	+/-20%
LABELED COMPOUNDS									
13C-2,3,7,8-TCDD	0.94	0.93	0.94	0.95	0.95	0.99	0.95	2.07	+/-35%
13C-1,2,3,7,8-PeCDD	1.10	1.04	1.03	1.04	1.09	1.06	1.06	2.73	+/-35%
13C-1,2,3,4,7,8-HxCDD	1.10	1.02	1.04	1.06	1.03	1.06	1.05	2.76	+/-35%
13C-1,2,3,6,7,8-HxCDD	1.02	0.98	1.02	1.02	0.96	0.97	1.00	2.59	+/-35%
13C-1,2,3,4,6,7,8-HpCDD	0.86	0.79	0.85	0.83	0.77	0.83	0.82	4.24	+/-35%
13C-OCDD	0.71	0.65	0.72	0.68	0.60	0.72	0.68	7.10	+/-35%
13C-2,3,7,8-TCDF	0.97	0.98	1.00	0.98	0.97	1.01	0.98	1.83	+/-35%
13C-1,2,3,7,8-PeCDF	0.85	0.82	0.81	0.83	0.82	0.86	0.83	2.33	+/-35%
13C-2,3,4,7,8-PeCDF	0.99	0.95	0.95	0.95	1.00	0.99	0.97	2.37	+/-35%
13C-1,2,3,4,7,8-HxCDF	1.38	1.31	1.28	1.32	1.22	1.19	1.28	5.52	+/-35%
13C-1,2,3,6,7,8-HxCDF	1.38	1.31	1.29	1.34	1.24	1.17	1.29	5.83	+/-35%
13C-1,2,3,7,8,9-HxCDF	1.34	1.24	1.24	1.27	1.26	1.25	1.27	2.90	+/-35%
13C-2,3,4,6,7,8-HxCDF	1.20	1.14	1.12	1.16	1.09	1.04	1.12	5.08	+/-35%
13C-1,2,3,4,6,7,8-HpCDF	1.14	1.03	1.05	1.10	1.00	1.03	1.06	4.96	+/-35%
13C-1,2,3,4,7,8,9-HpCDF	1.01	0.90	0.96	0.95	0.90	0.95	0.94	4.48	+/-35%
13C-OCDF	1.01	0.91	1.00	0.94	0.84	0.99	0.95	7.07	+/-35%
37Cl-2,3,7,8-TCDD	0.60	0.60	0.66	0.65	0.69	0.72	0.65	6.90	+/-35%

(1) The Relative Response (RR) is calculated based on the labeled analogs of the other two HxCDDs.

Analyst: _____ Date: 10/27/06

6DFB - FORM VI-HR CDD-2

CDD/CDF INITIAL CALIBRATION ION ABUNDANCE RATIO SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

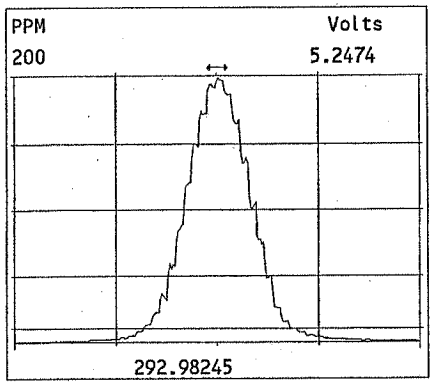
INIT. CALIB. DATE(S): 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06

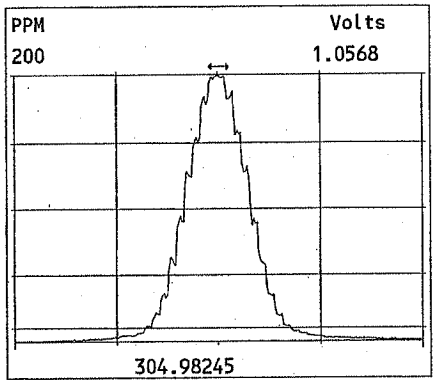
INIT. CALIB. TIMES: 12:06:14 13:01:38 13:57:01 11:10:51 14:52:28 15:47:52

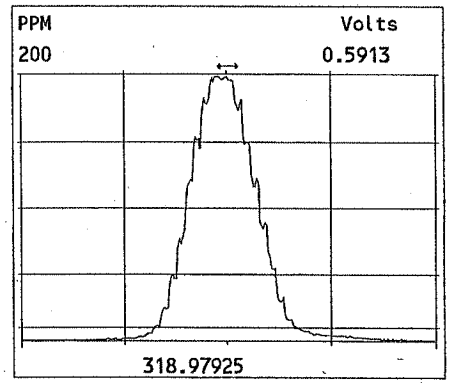
TARGET ANALYTES	SELECTED IONS	ION ABUNDANCE RATIO CS0	CS1	CS2	CS3	CS4	CS5	FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	0.84	0.75	0.78	0.77	0.78	0.79		0.65-0.89
2,3,7,8-TCDF	304/306	0.70	0.78	0.78	0.78	0.78	0.78		0.65-0.89
1,2,3,7,8-PeCDF	340/342	1.59	1.60	1.57	1.58	1.57	1.57		1.32-1.78
1,2,3,7,8-PeCDD	356/358	1.57	1.53	1.59	1.59	1.59	1.57		1.32-1.78
2,3,4,7,8-PeCDF	340/342	1.61	1.55	1.58	1.57	1.57	1.55		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	1.24	1.29	1.27	1.27	1.25	1.25		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.30	1.22	1.25	1.23	1.25	1.25		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	1.33	1.23	1.24	1.26	1.28	1.25		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	1.26	1.33	1.27	1.27	1.23	1.25		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	1.26	1.26	1.23	1.27	1.26	1.25		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	1.25	1.28	1.22	1.26	1.25	1.25		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	1.25	1.26	1.24	1.27	1.26	1.23		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	1.08	1.04	1.05	1.04	1.04	1.04		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	1.10	1.06	1.06	1.05	1.03	1.05		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	1.06	1.04	1.03	1.04	1.04	1.04		0.88-1.20
OCDD	458/460	0.90	0.89	0.90	0.87	0.89	0.89		0.76-1.02
OCDF	442/444	0.90	0.88	0.90	0.92	0.90	0.90		0.76-1.02
LABELED COMPOUNDS									
13C-2,3,7,8-TCDD	332/334	0.78	0.79	0.78	0.78	0.79	0.78		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.59	1.57	1.58	1.57	1.58	1.59		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.27	1.27	1.27	1.27	1.28	1.27		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	1.26	1.29	1.26	1.28	1.27	1.26		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	1.05	1.06	1.04	1.06	1.04	1.05		0.88-1.20
13C-OCDD	470/472	0.90	0.90	0.88	0.89	0.89	0.89		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.80	0.80	0.80	0.79	0.79	0.79		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	1.58	1.58	1.58	1.57	1.57	1.58		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	1.57	1.56	1.59	1.58	1.58	1.57		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	0.52	0.52	0.52	0.52	0.53	0.52		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	0.52	0.52	0.52	0.52	0.52	0.53		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	0.52	0.52	0.52	0.52	0.52	0.52		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	0.53	0.53	0.52	0.52	0.52	0.53		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	0.44	0.44	0.44	0.43	0.44	0.45		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.44	0.44	0.43	0.44	0.44	0.44		0.37-0.51
13C-OCDF	454/456	0.89	0.88	0.89	0.89	0.89	0.90		0.76-1.02
INTERNAL STANDARDS									
13C-1,2,3,4-TCDD	332/334	0.80	0.80	0.81	0.79	0.80	0.80		0.65-0.89
13C-1,2,3,4-TCDF	316/318	0.79	0.80	0.79	0.80	0.80	0.80		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	1.26	1.29	1.23	1.26	1.25	1.27		1.05-1.43

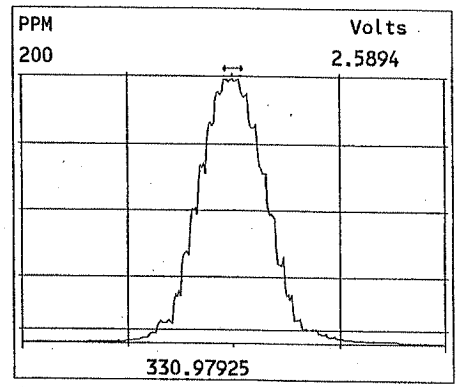
Quality Control (QC) limits represent +/-15% window around the theoretical ion abundance ratio. The laboratory must flag any analyte in any calibration solution which does not meet the ion abundance ratio QC limit by placing an asterik in the flag column Analyst: _____ Date: 10/27/06

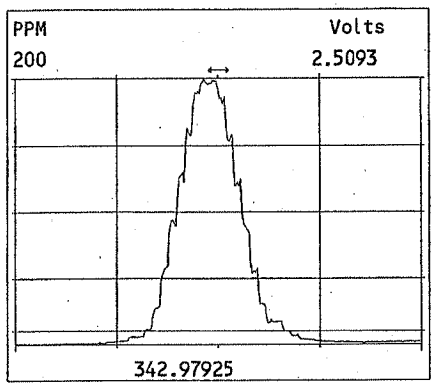
Peak Locate Examination:24-OCT-2006:11:08 File:24OCT06M
Experiment:PCDD Function:1 Reference:PFK

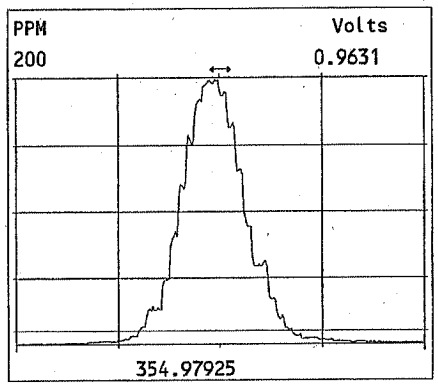


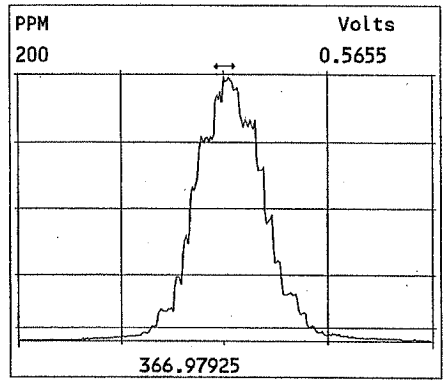


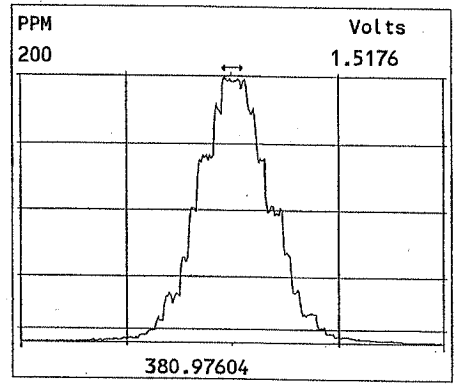


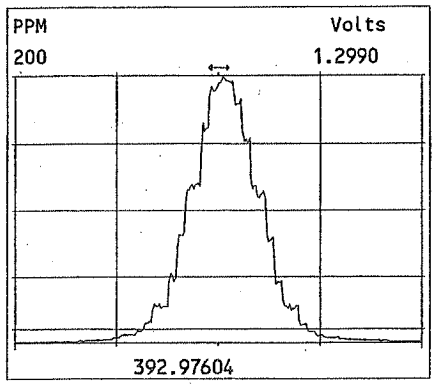


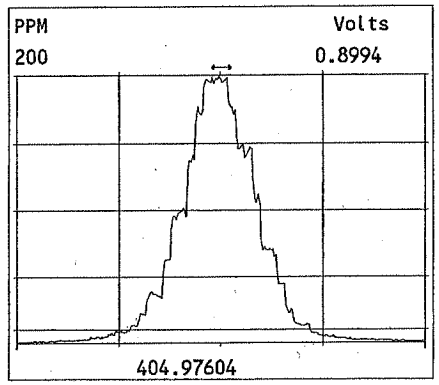


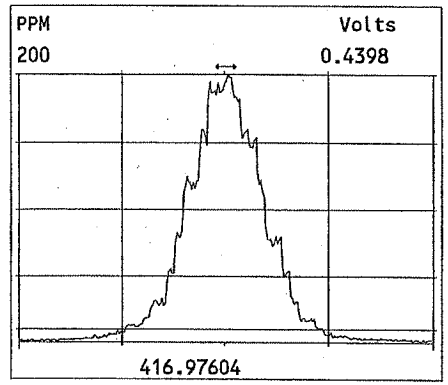






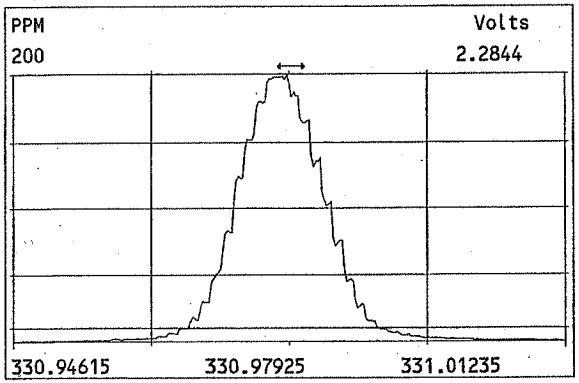


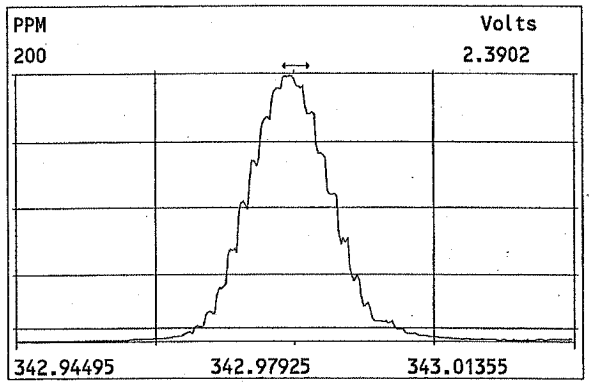


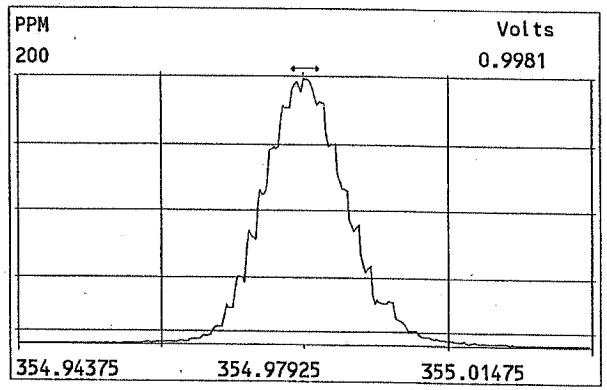


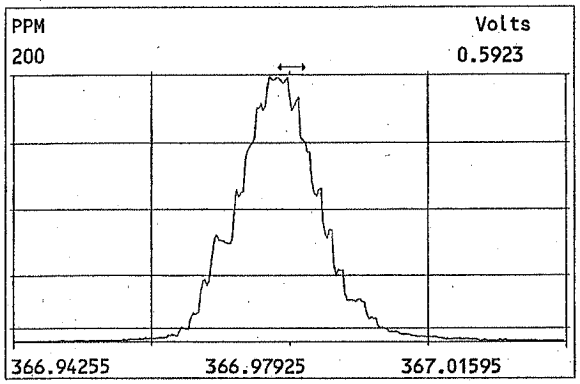
Peak Locate Examination:24-OCT-2006:11:09 File:24OCT06M

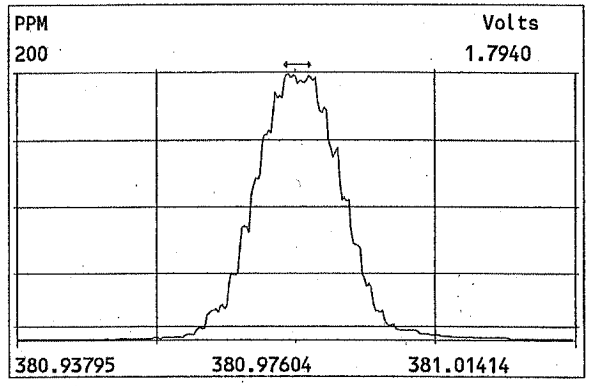
Experiment:PCDD Function:2 Reference:PFK

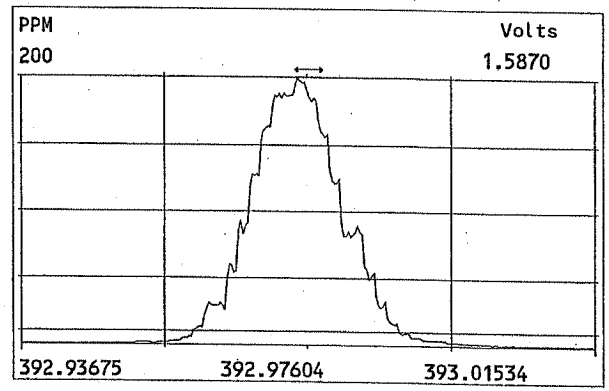


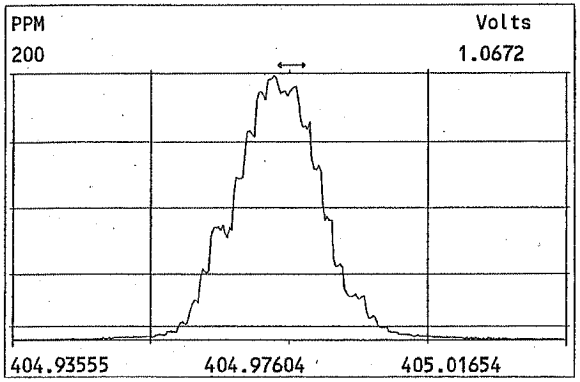


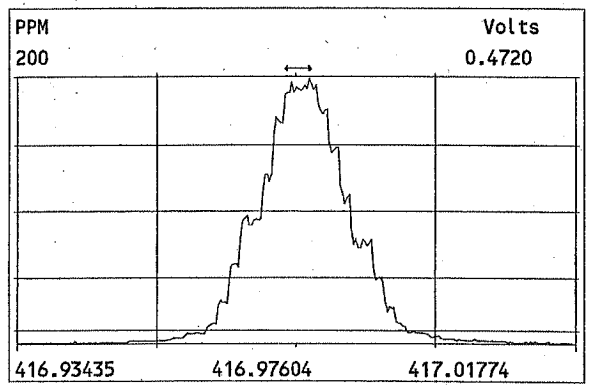




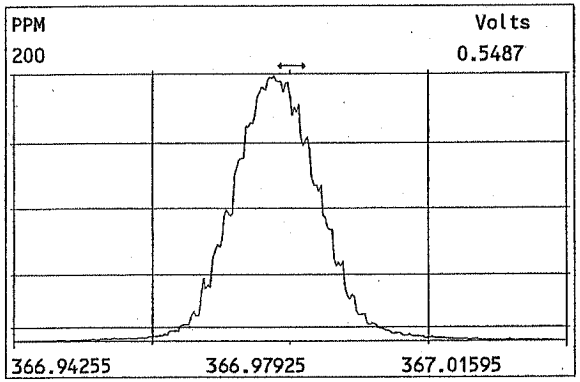


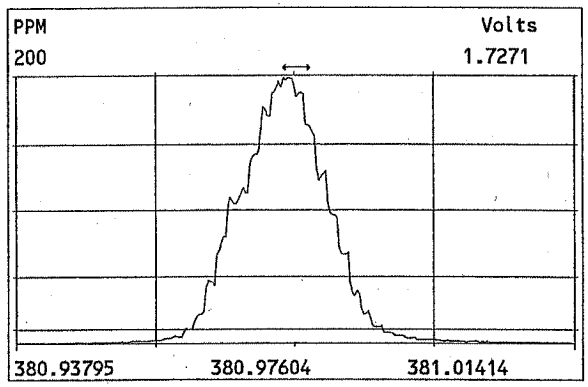


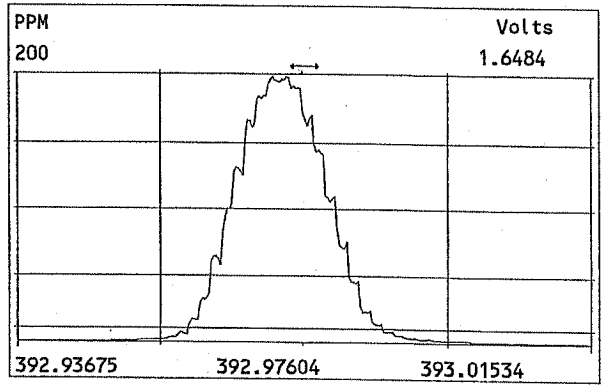


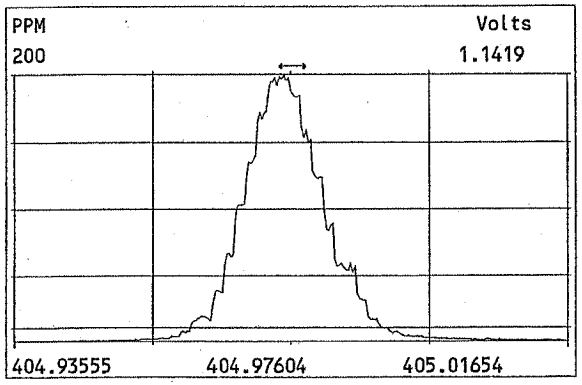


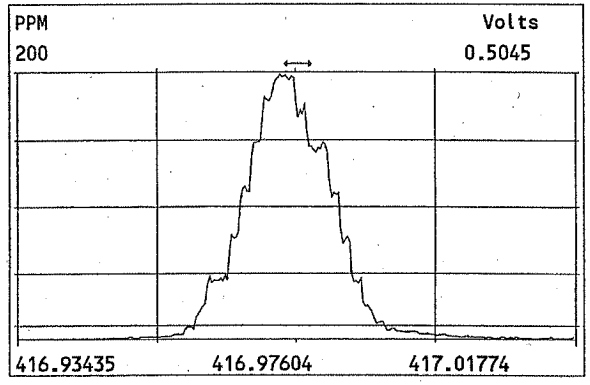
Peak Locate Examination:24-OCT-2006:11:09 File:24OCT06M
Experiment:PCDD Function:3 Reference:PFK

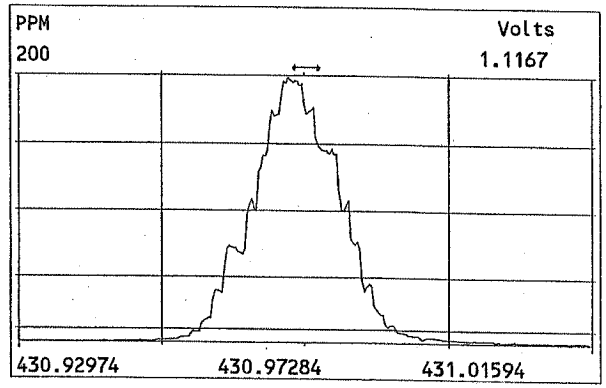


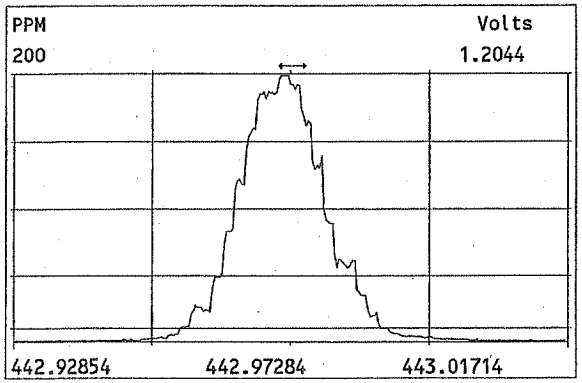


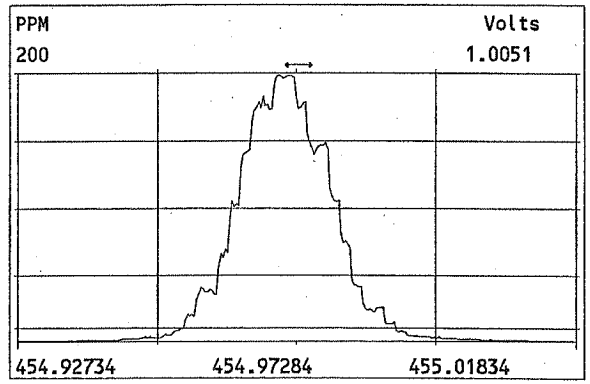




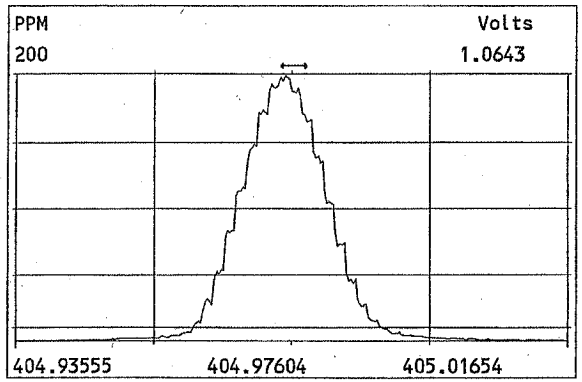


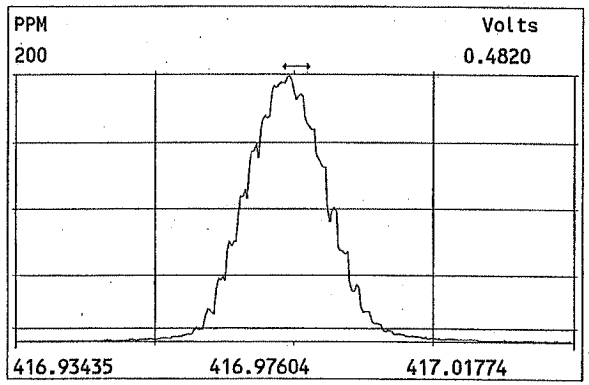


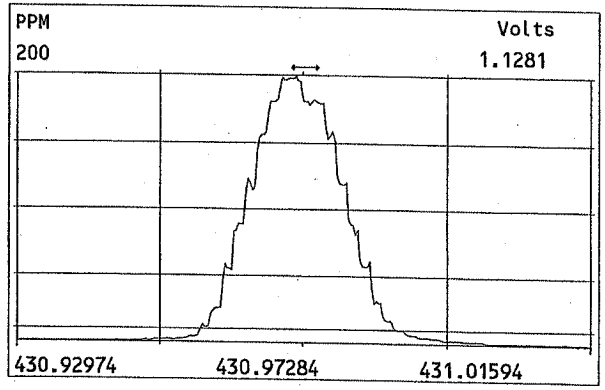


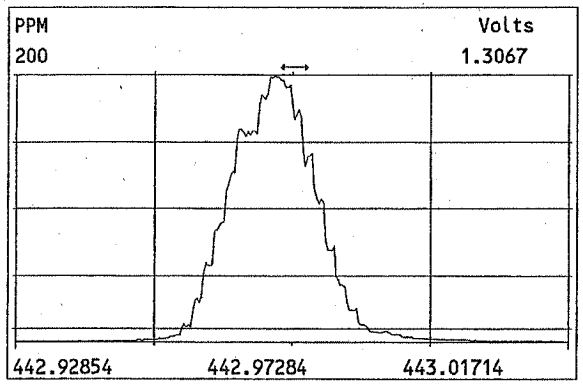


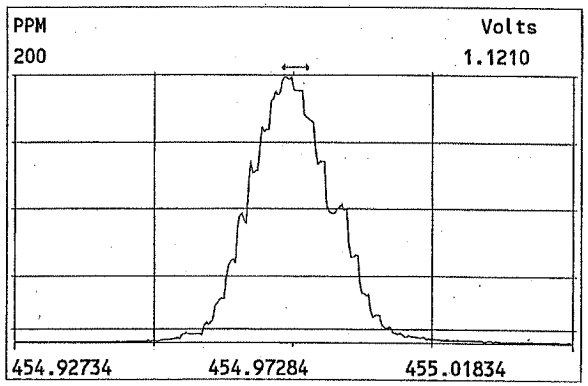
Peak Locate Examination:24-OCT-2006:11:09 File:240CT06M
Experiment:PCDD Function:4 Reference:PFK

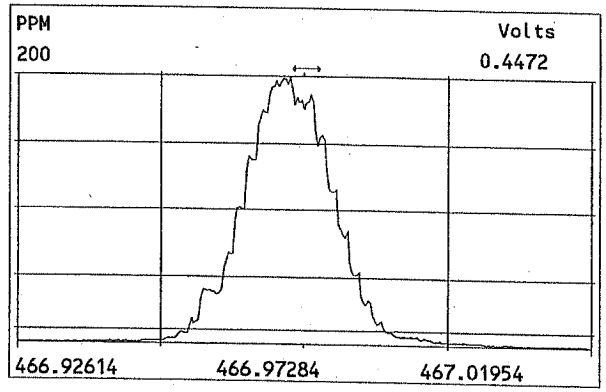


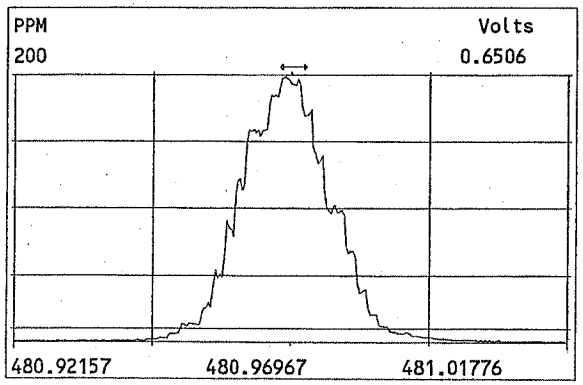




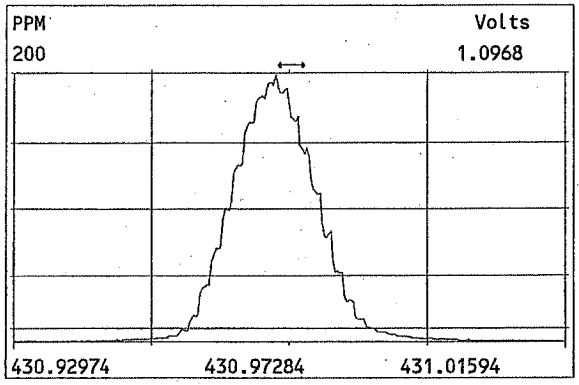


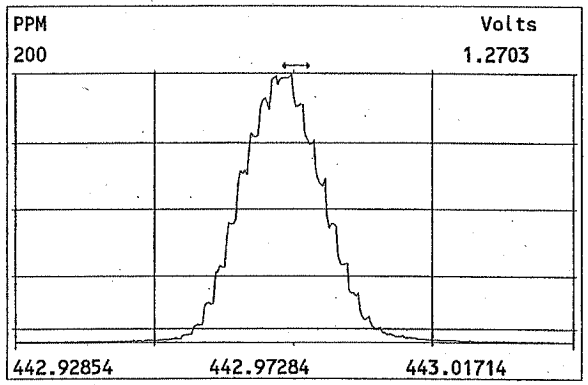


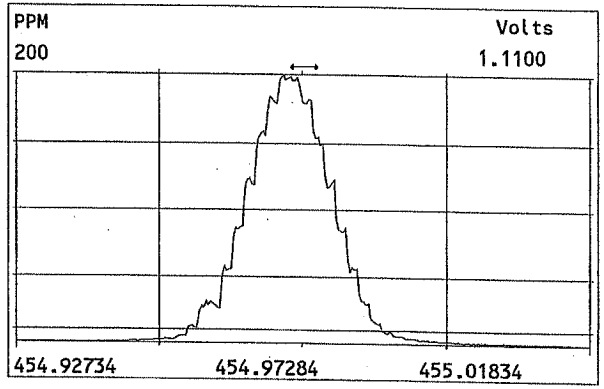


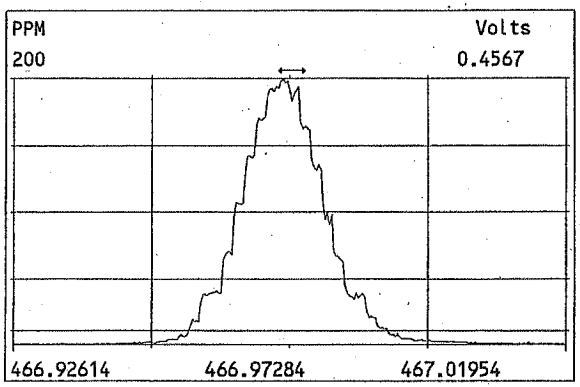


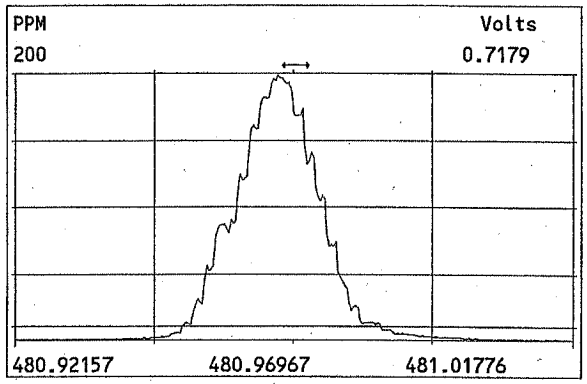
Peak Locate Examination:24-OCT-2006:11:10 File:24OCT06M
Experiment:PCDD Function:5 Reference:PFK

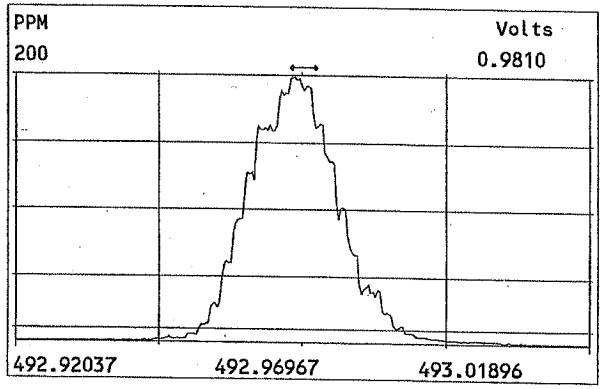


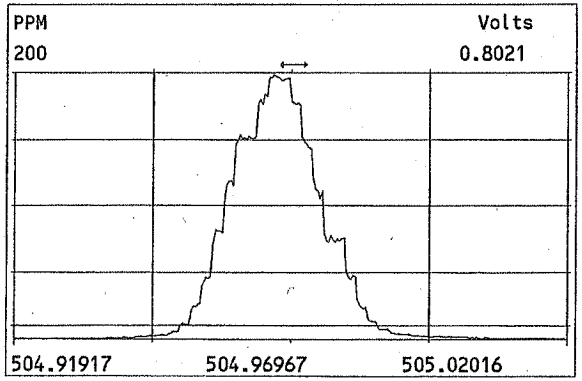


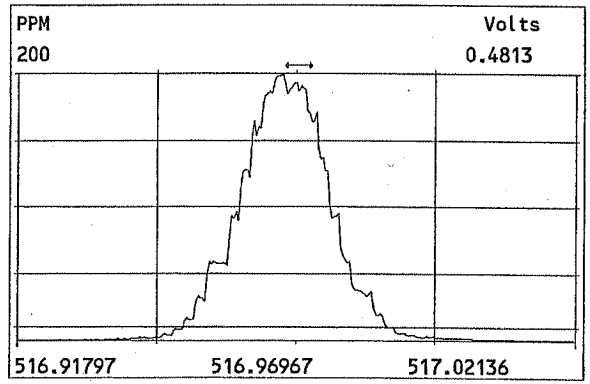




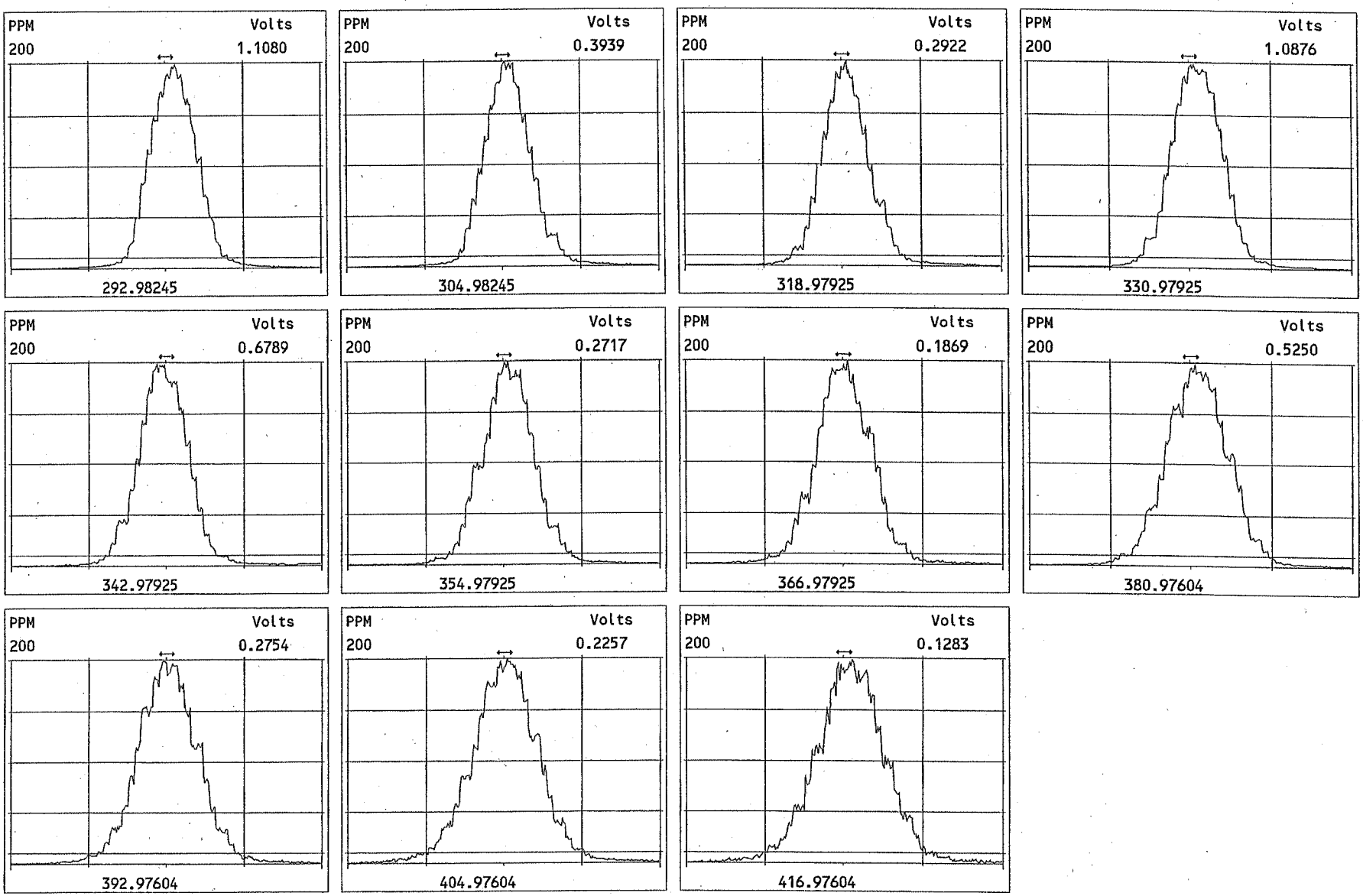




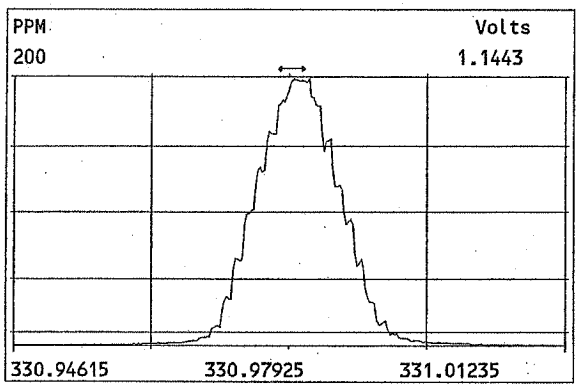


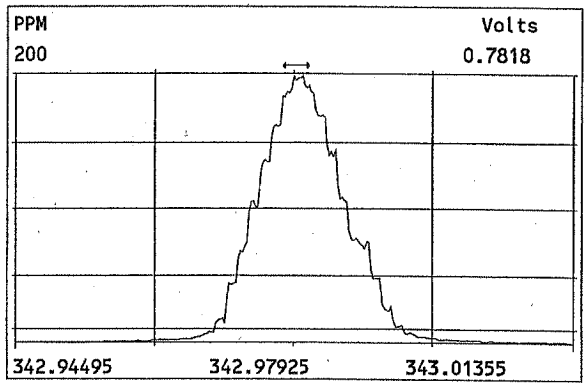


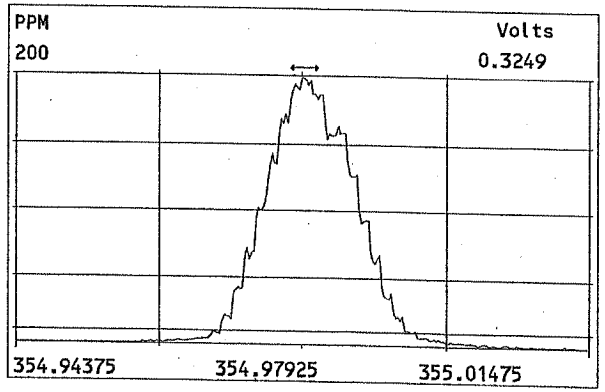
Peak Locate Examination:25-OCT-2006:03:51 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:1 Reference:PFK

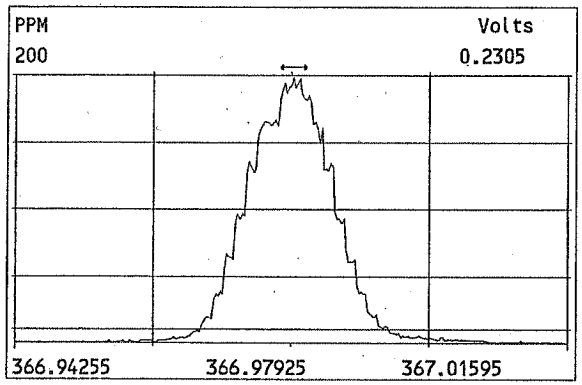


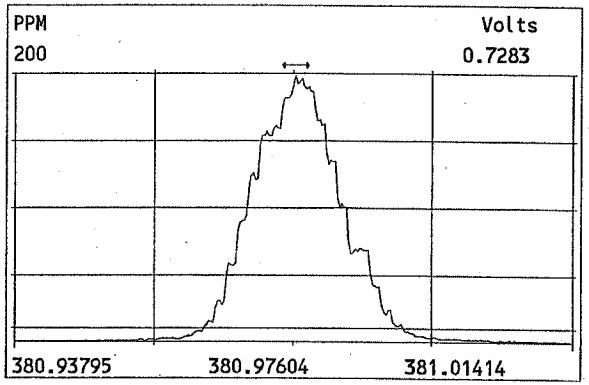
Peak Locate Examination:25-OCT-2006:03:53 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:2 Reference:PFK

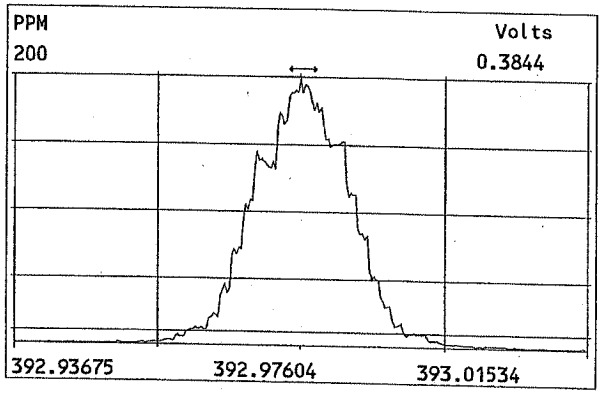


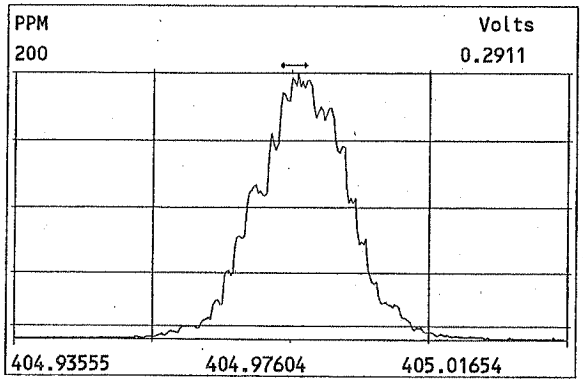


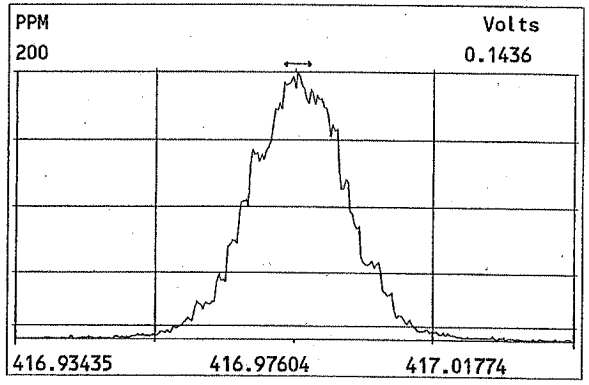






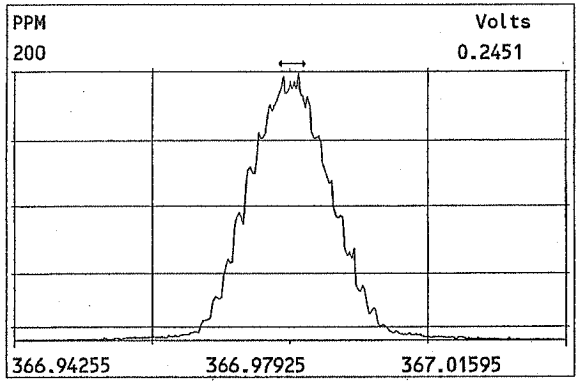


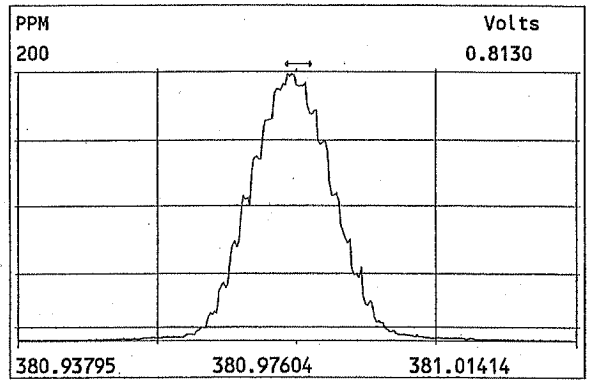


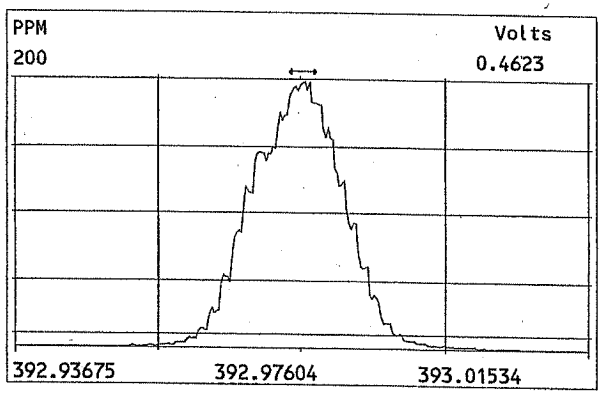


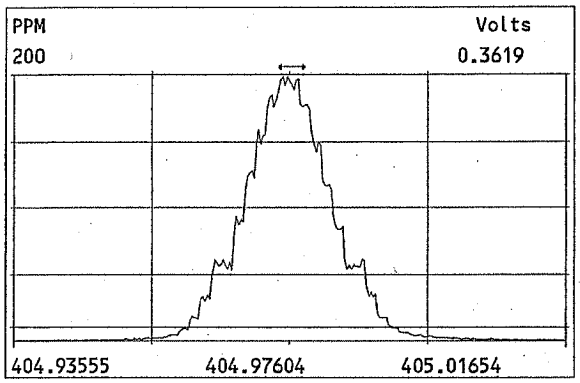
Peak Locate Examination:25-OCT-2006:03:55 File:24OCT06M_RES_CHECK

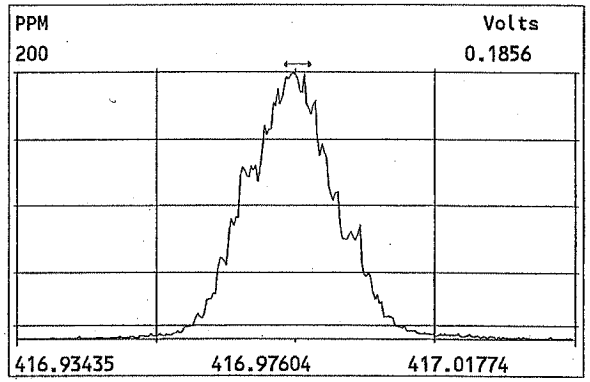
Experiment:PCDD Function:3 Reference:PFK

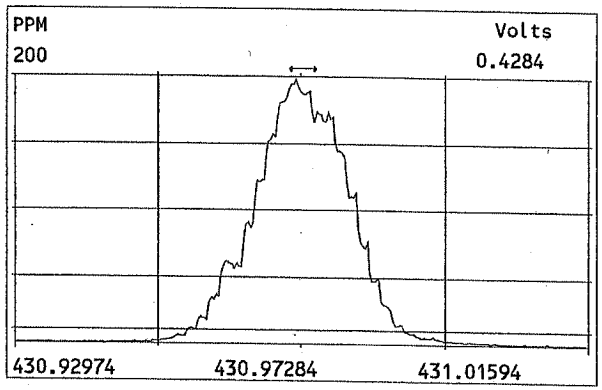


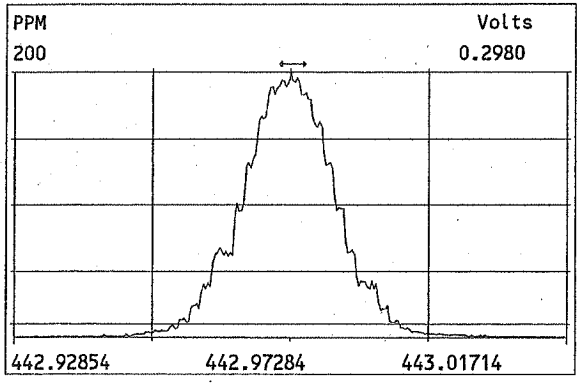


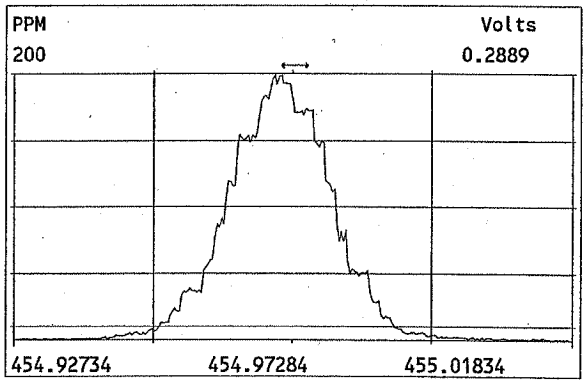




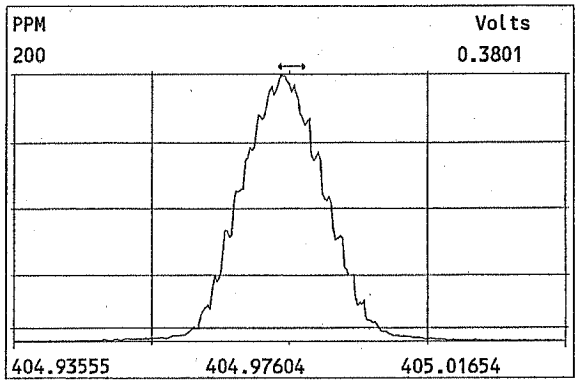


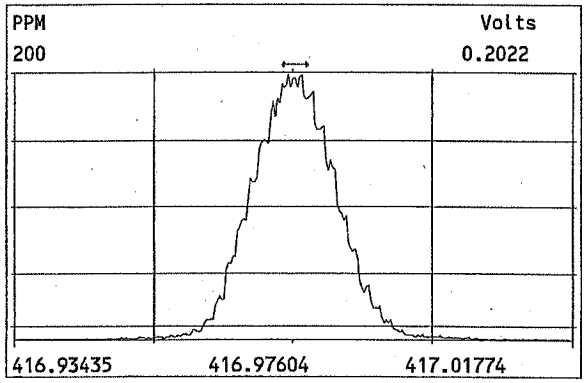


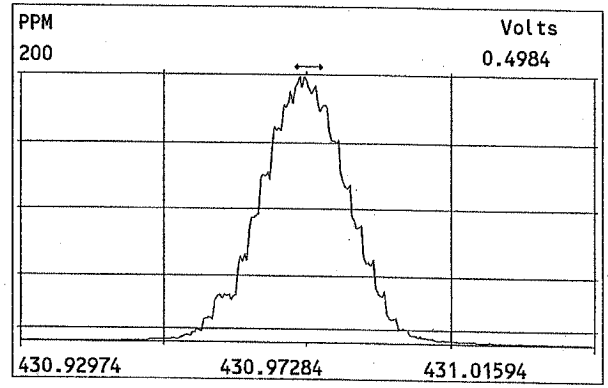


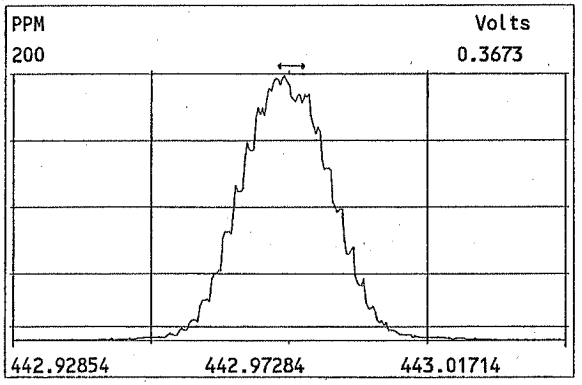


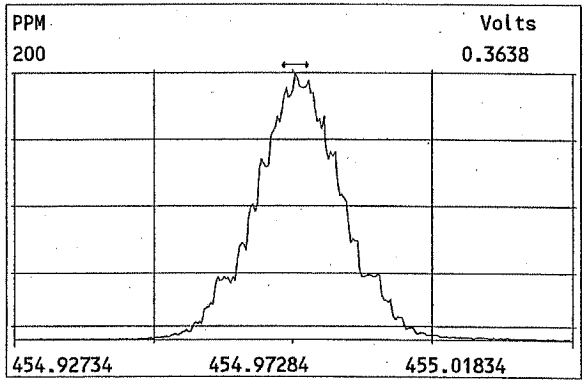
Peak Locate Examination:25-OCT-2006:03:56 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:4 Reference:PFK

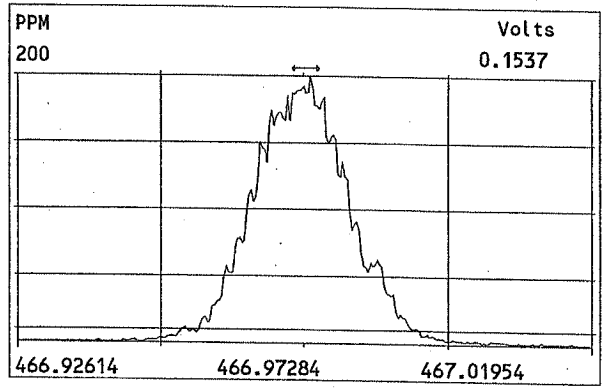


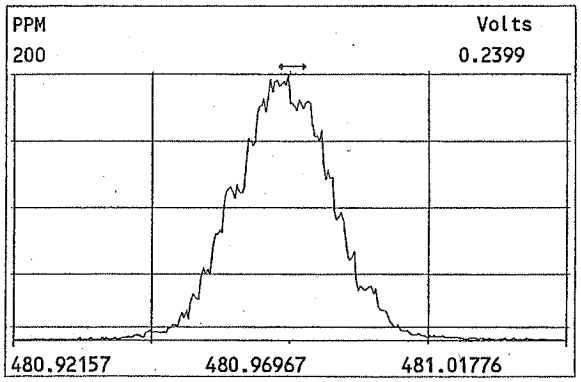




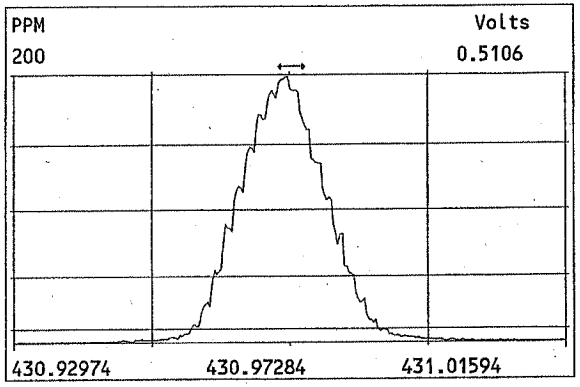


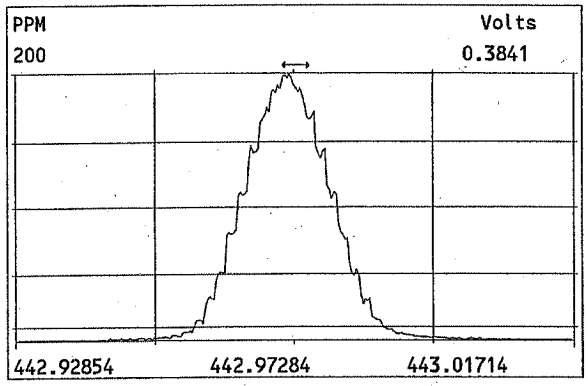


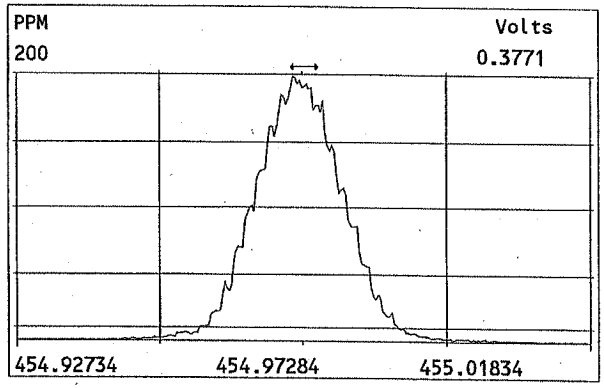


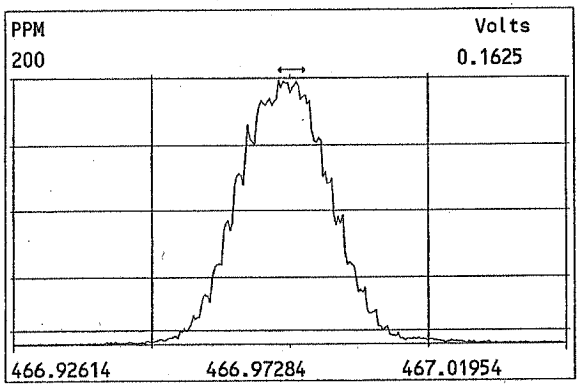


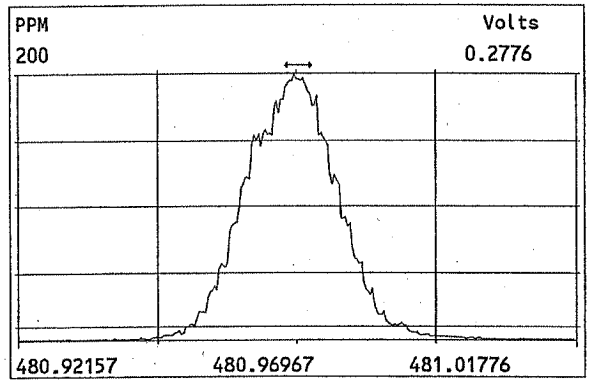
Peak Locate Examination:25-OCT-2006:03:58 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:5 Reference:PFK

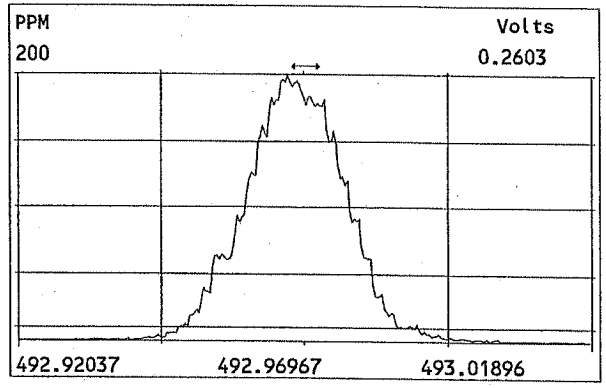


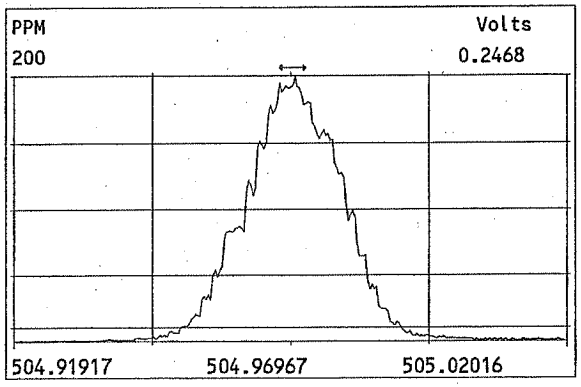


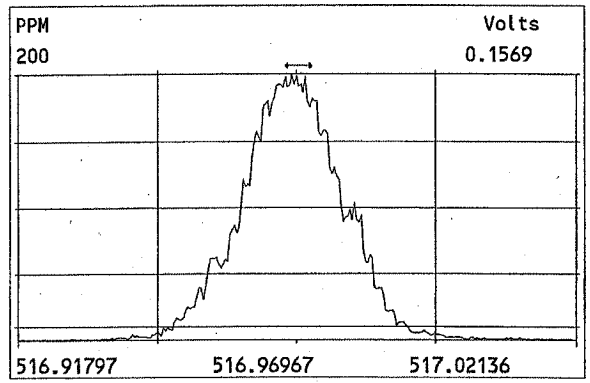




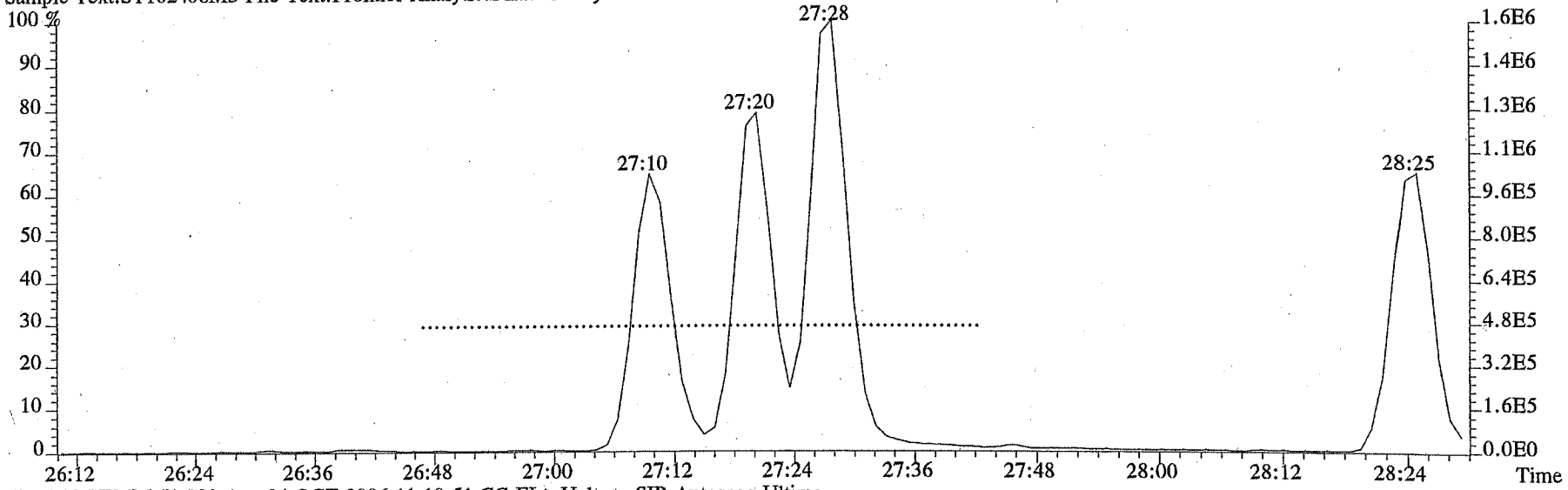




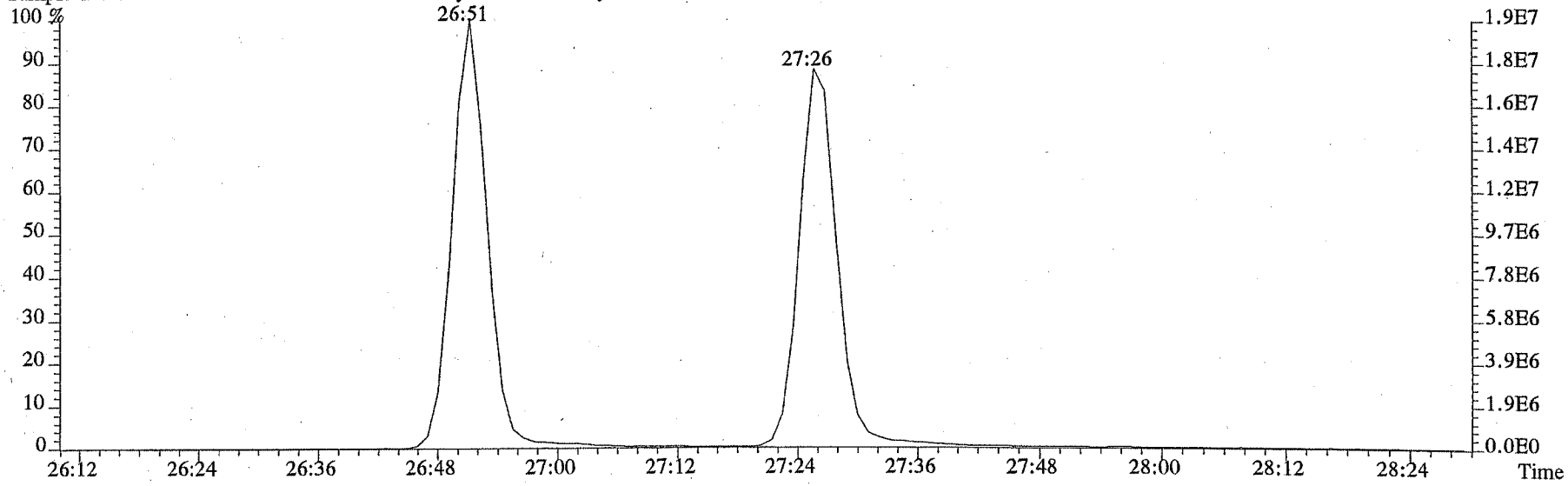




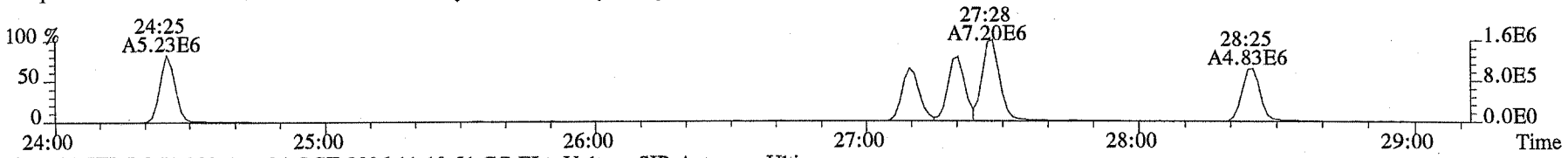
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory



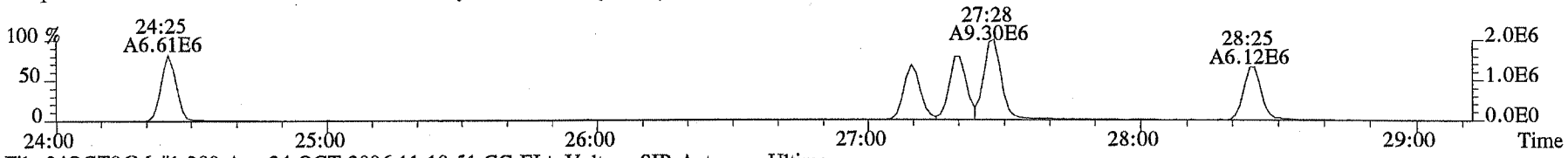
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory



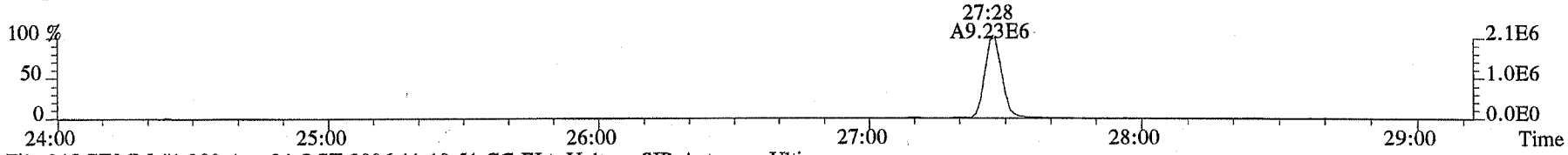
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



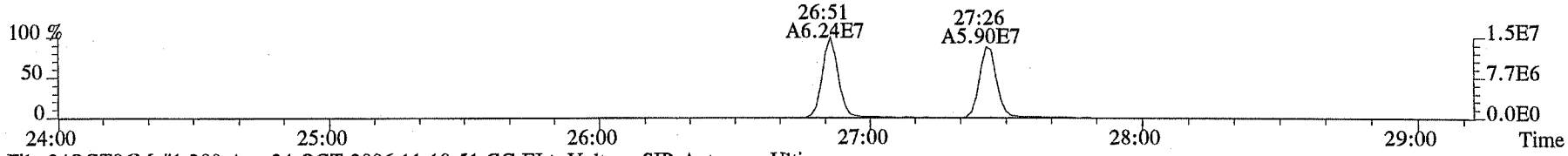
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



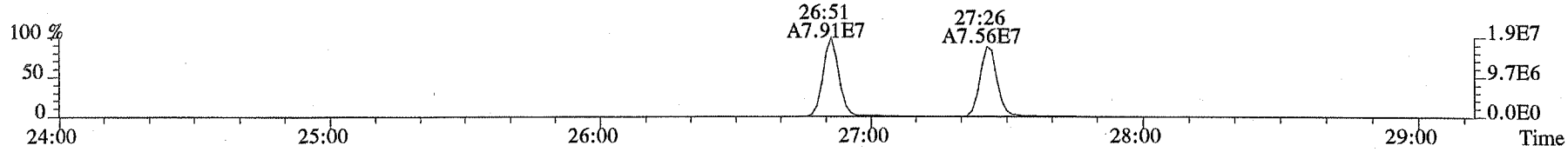
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



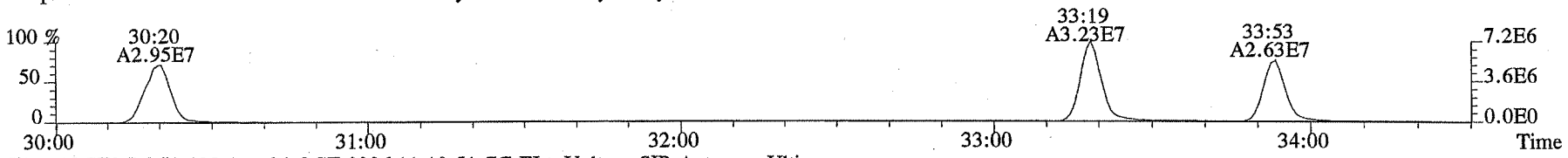
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



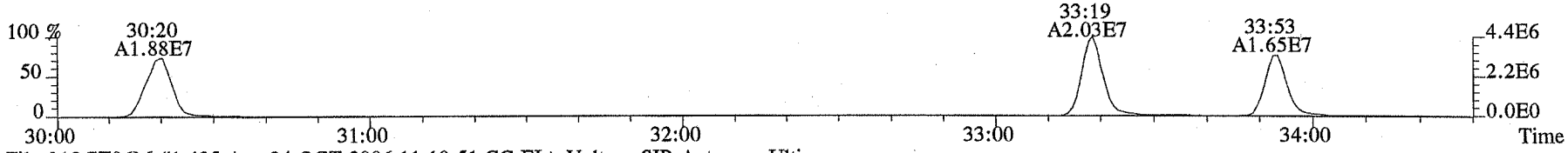
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



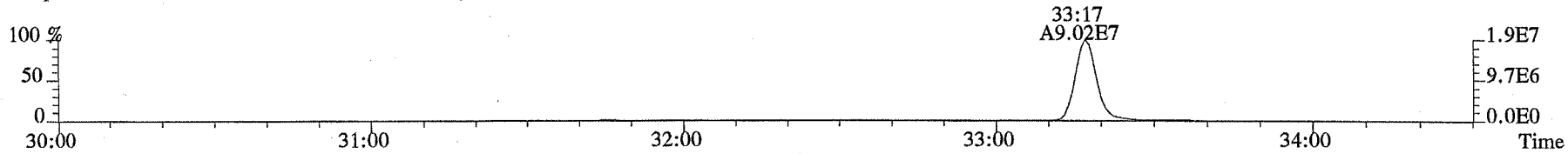
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



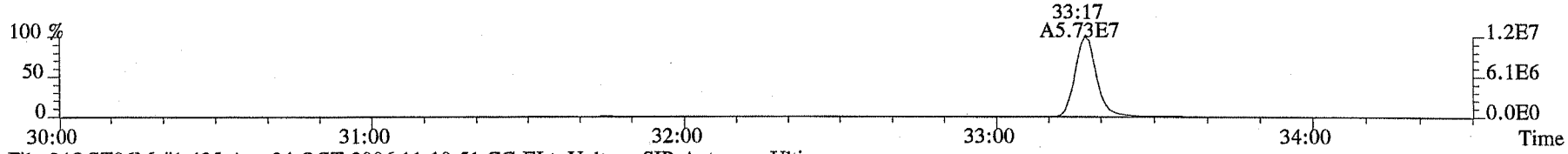
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
357.8517 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



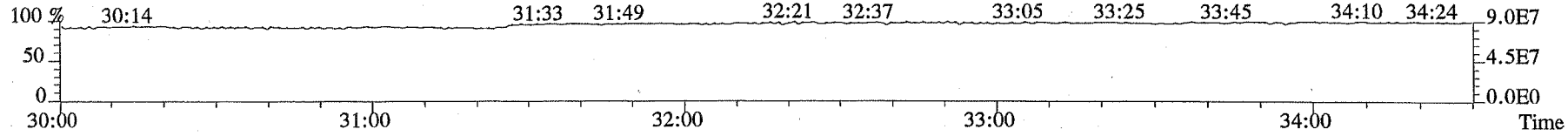
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



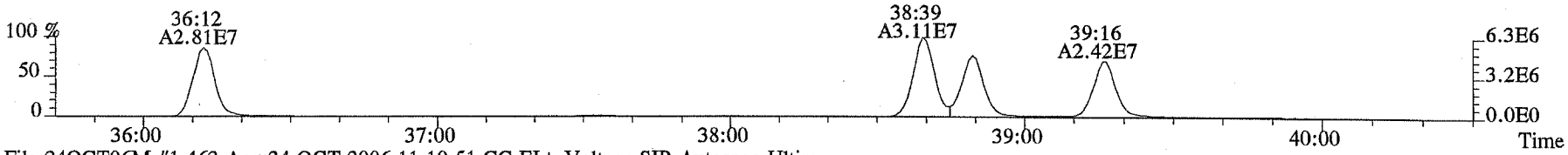
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
369.8919 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



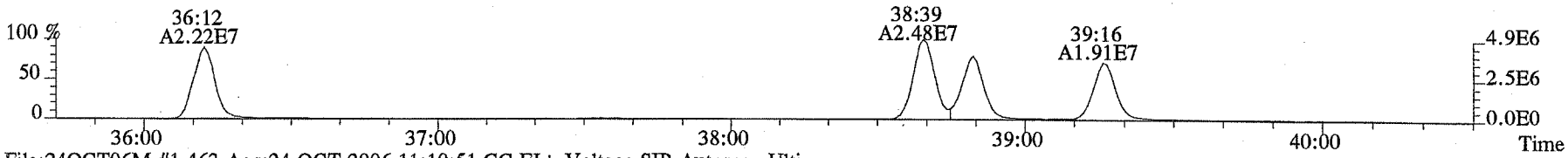
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
366.9792 F:2 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



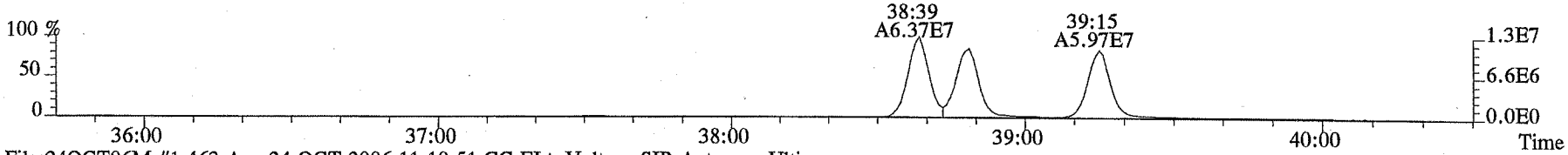
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



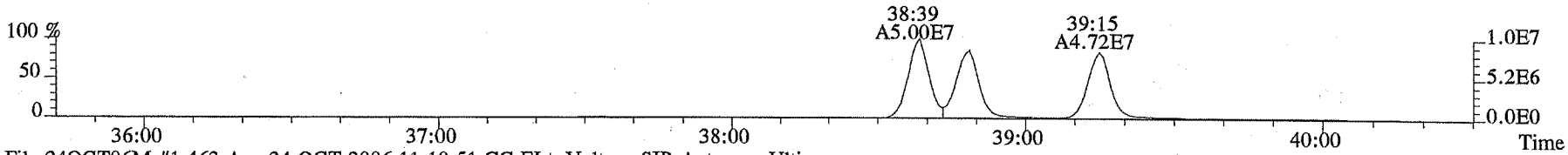
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



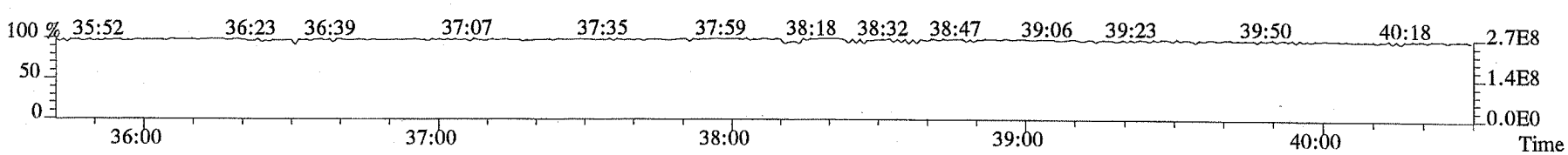
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



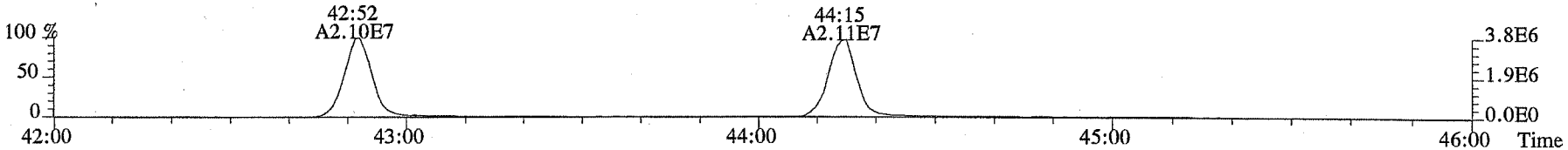
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



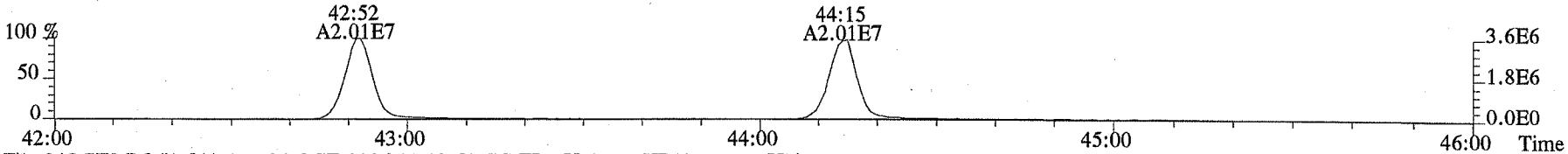
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
380.9760 F:3 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



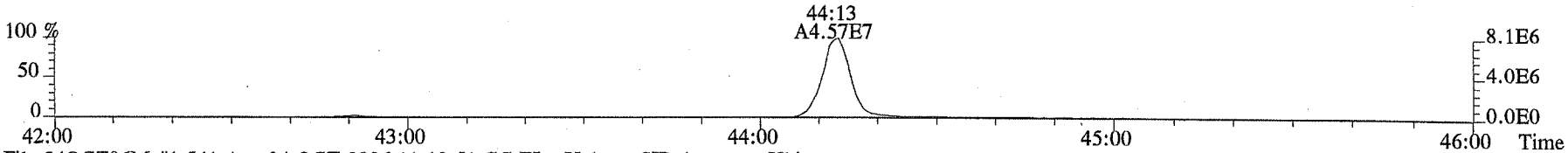
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



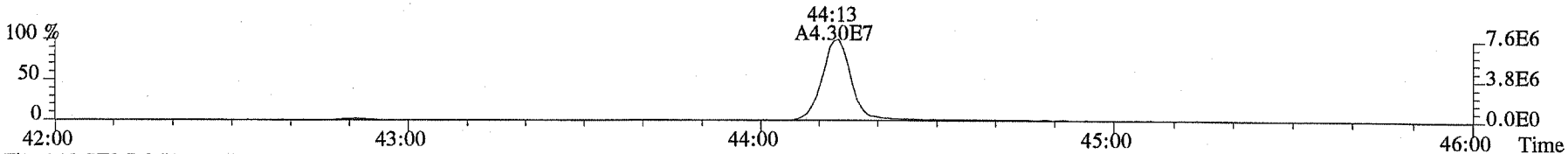
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



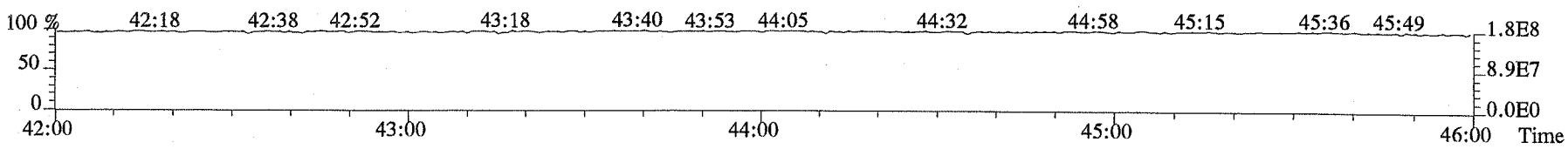
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



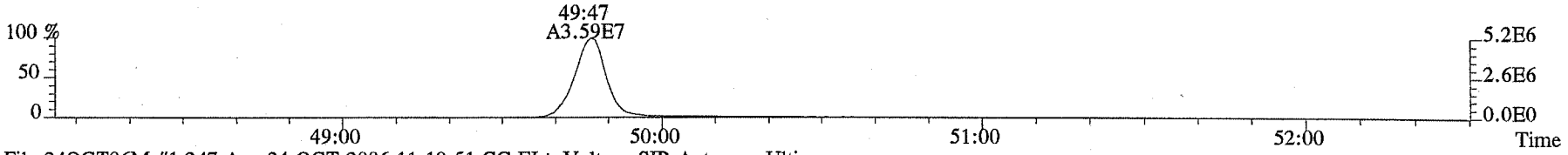
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



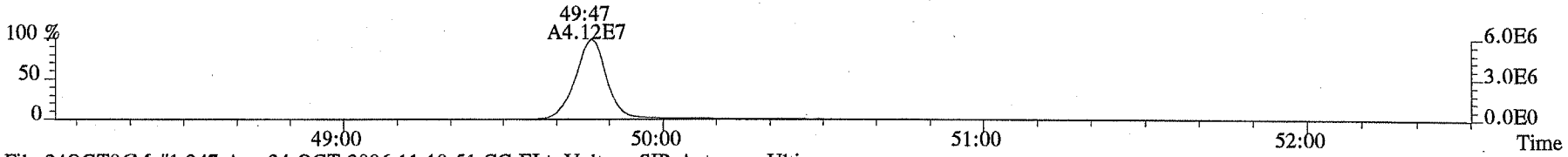
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
430.9728 F:4 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



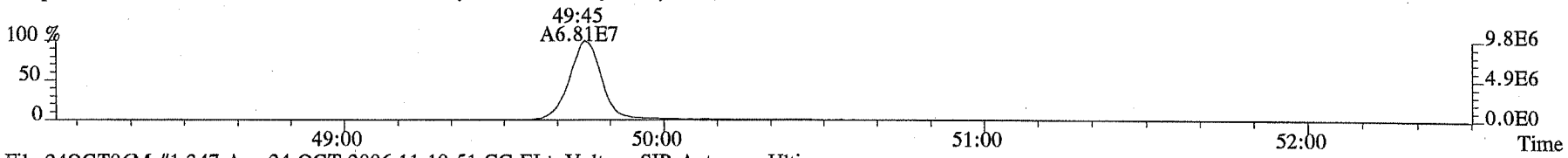
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



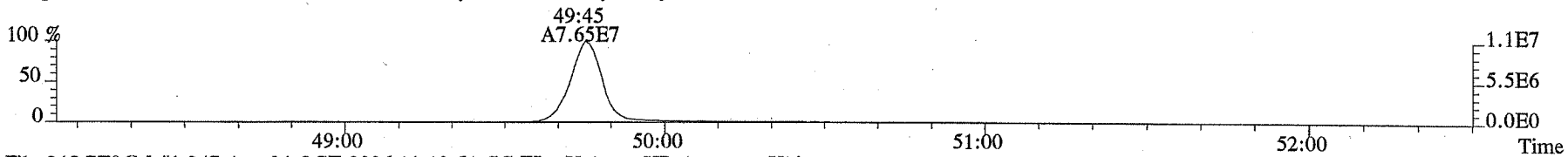
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



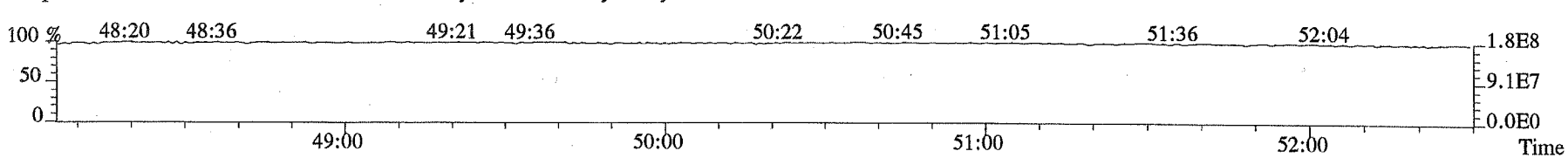
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



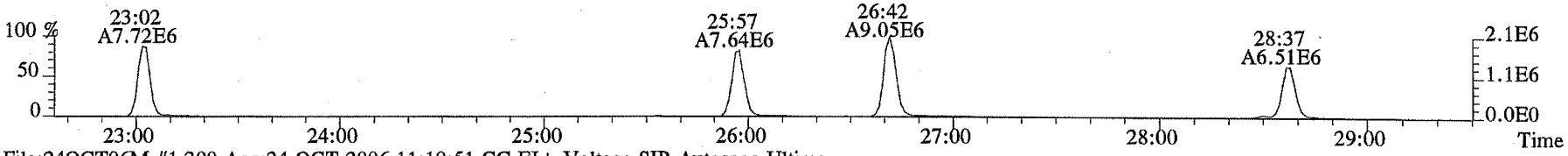
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



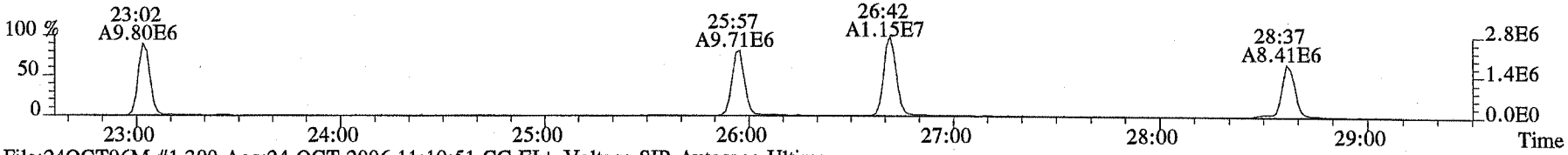
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



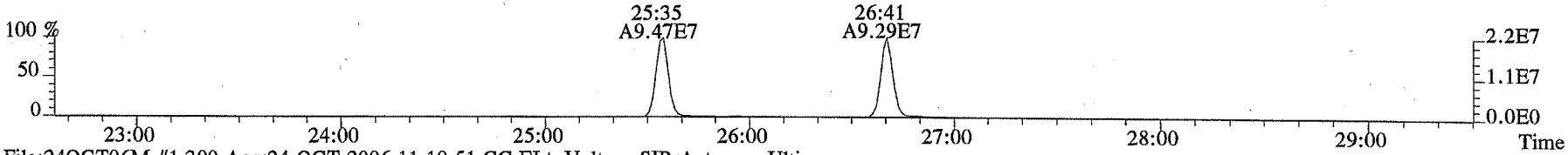
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



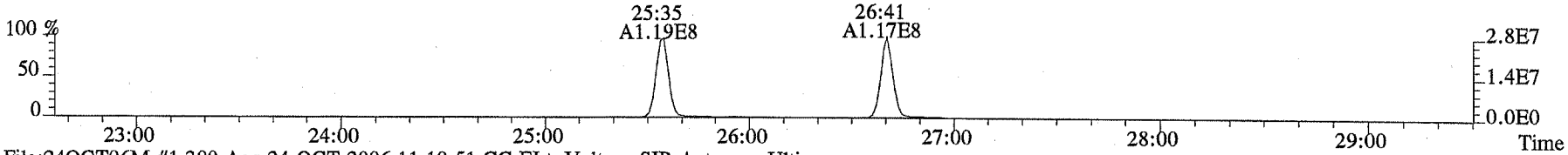
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



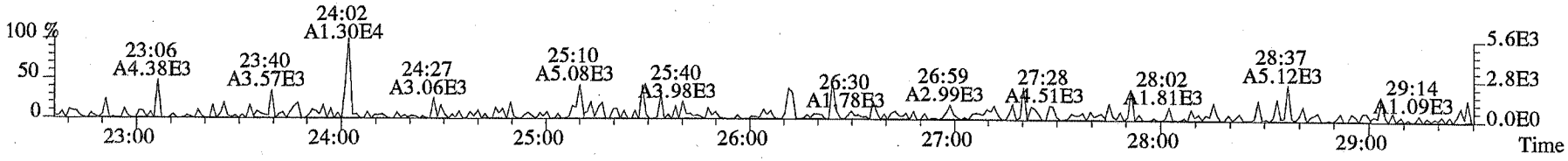
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



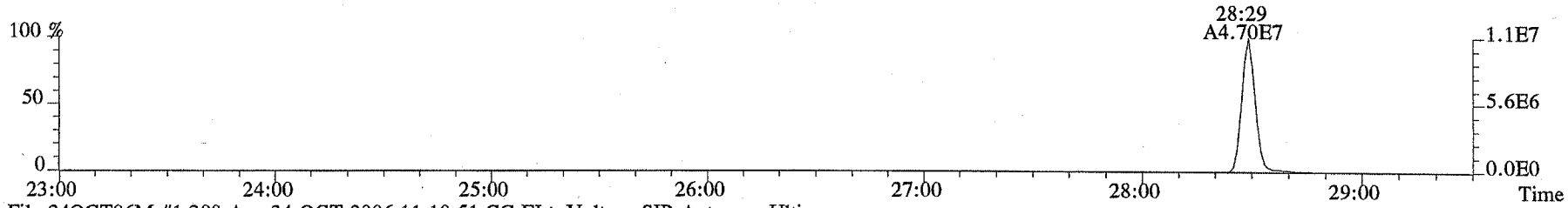
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



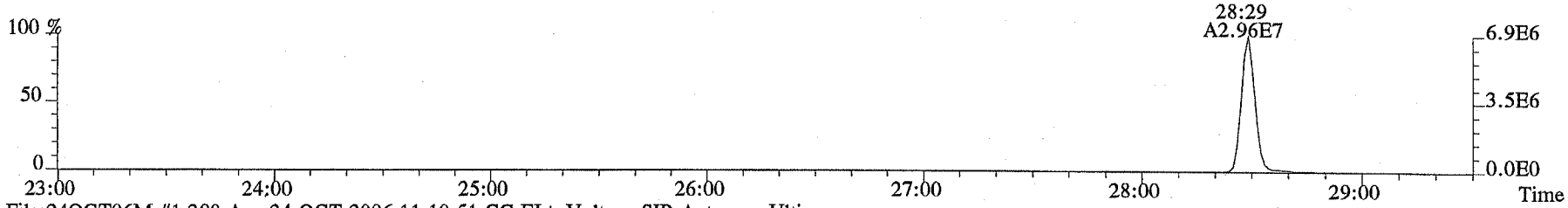
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



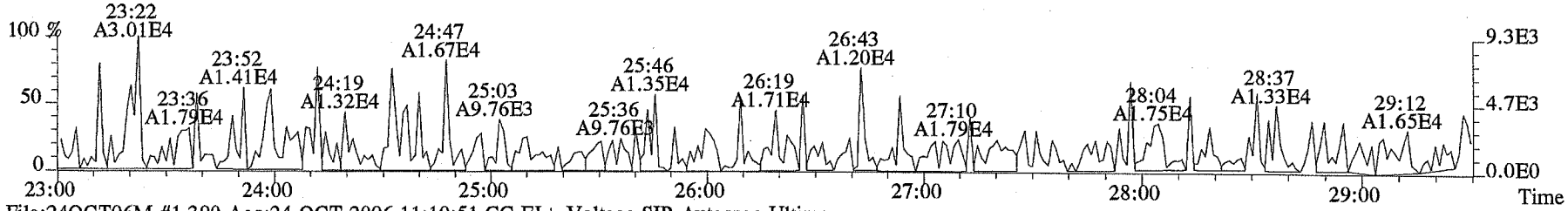
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



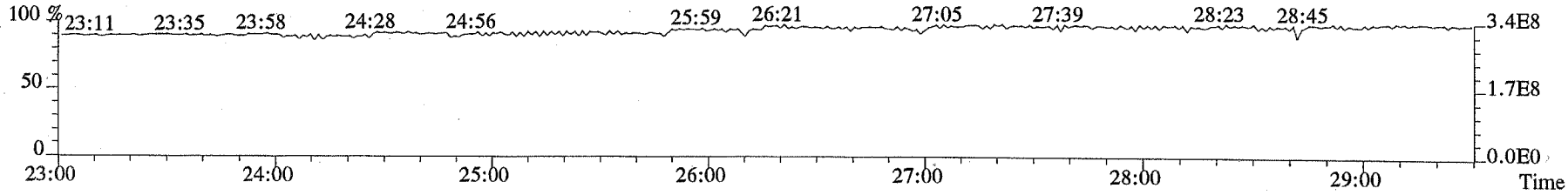
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



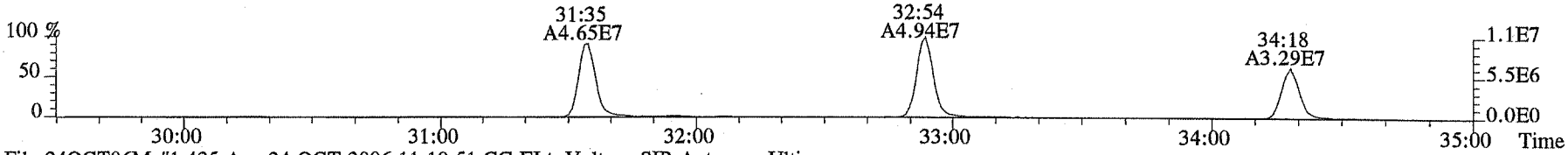
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



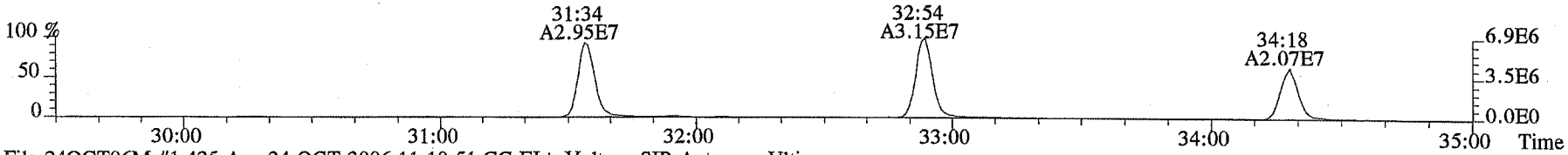
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
330.9792 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



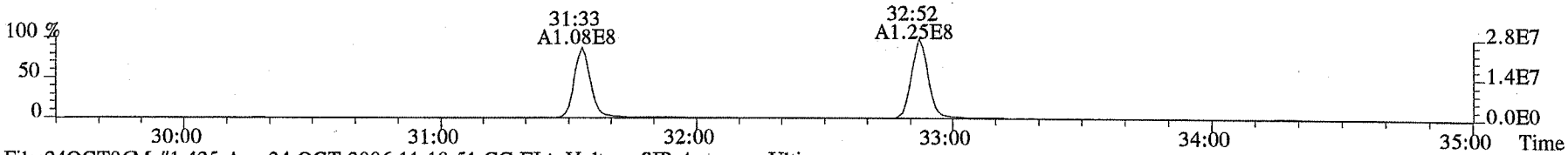
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



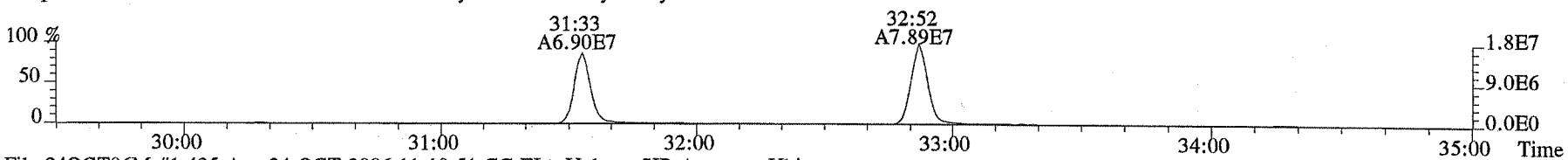
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



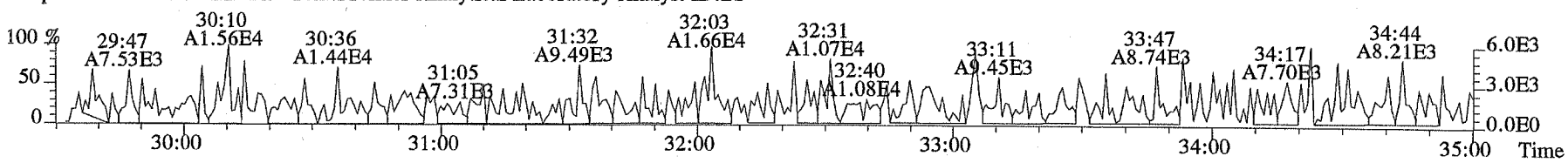
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



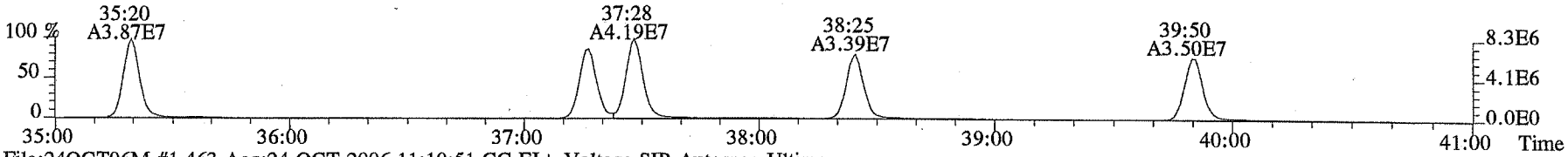
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



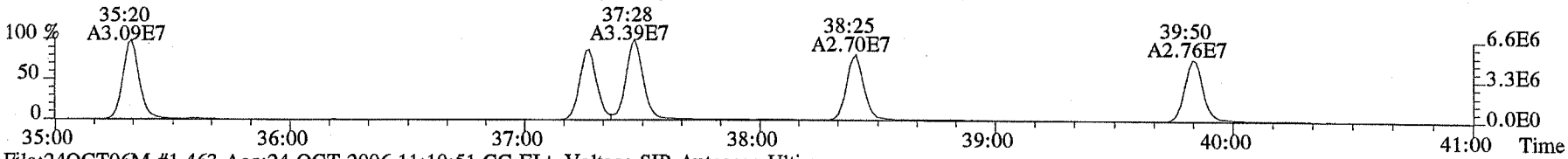
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



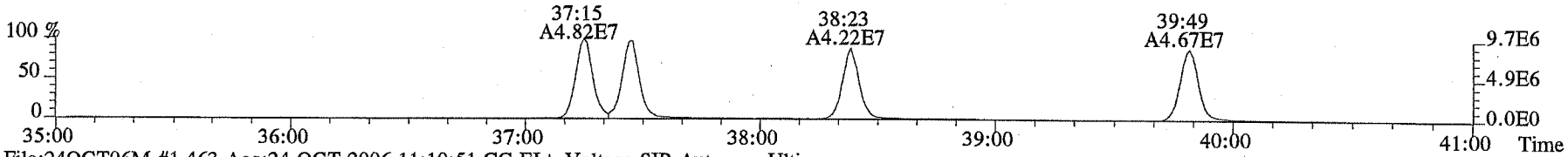
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



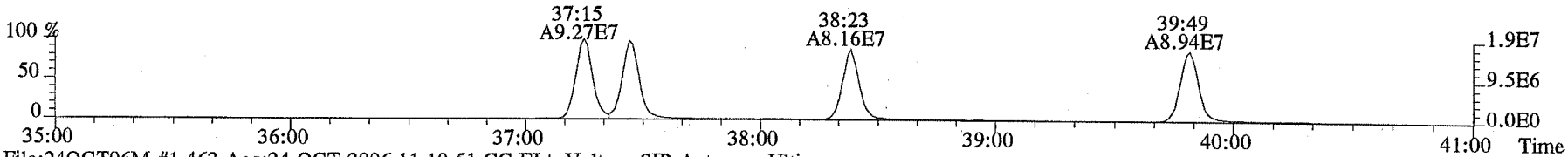
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



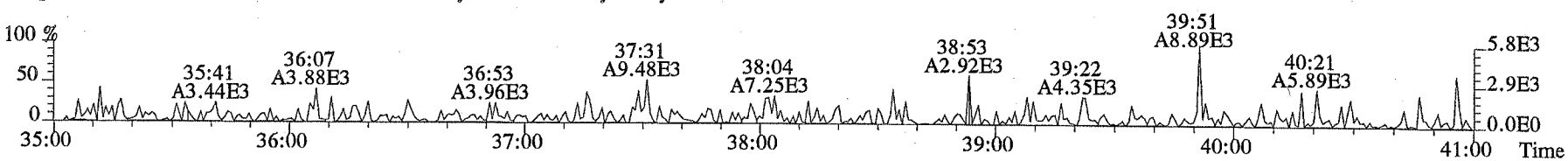
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



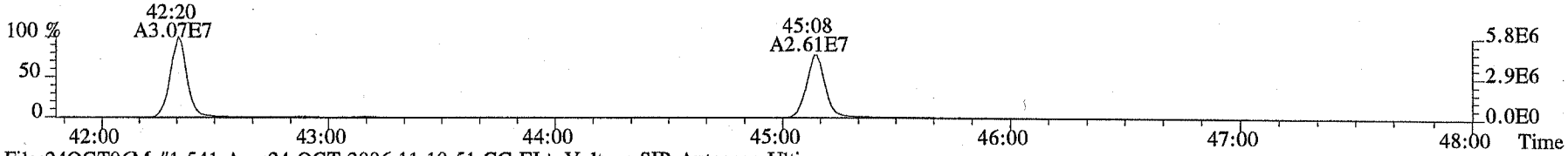
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



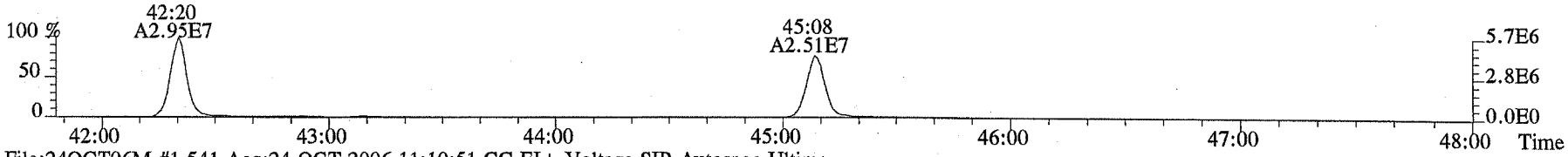
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



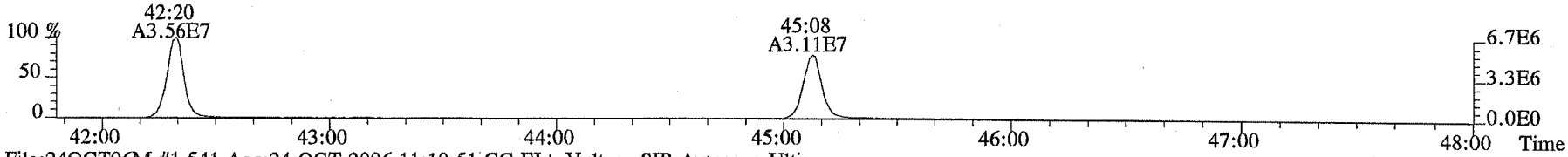
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



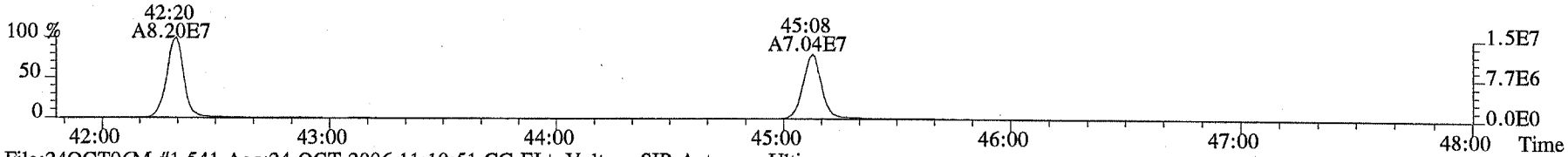
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



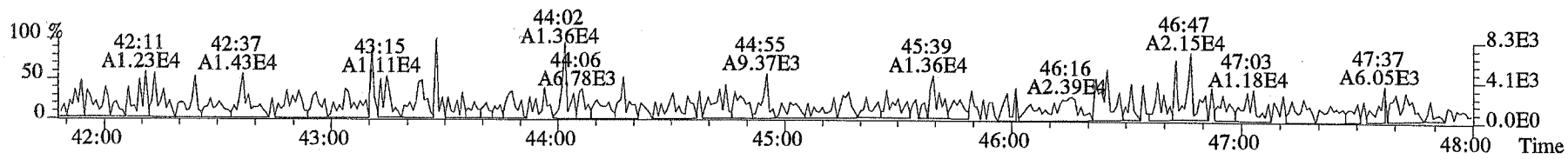
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



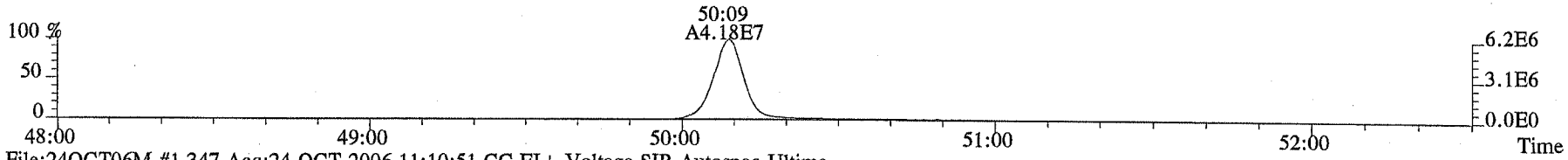
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



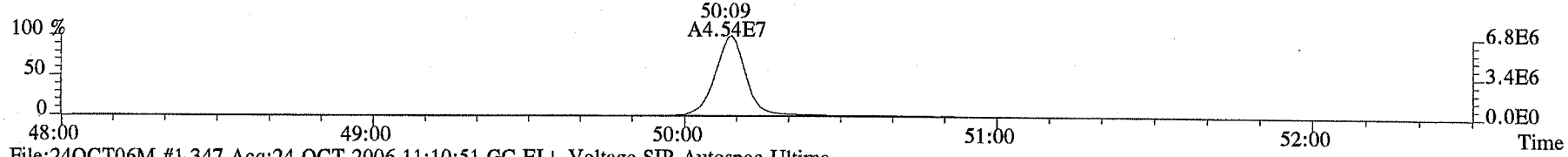
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



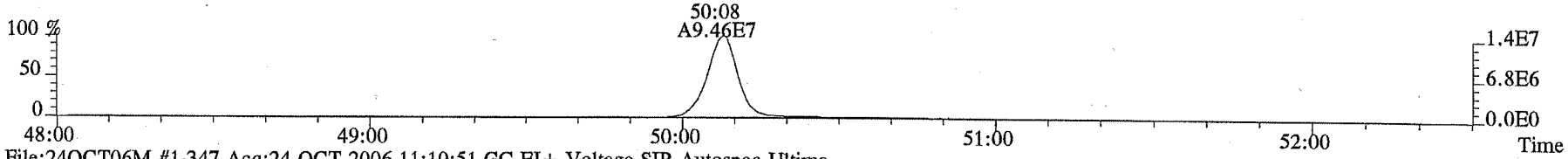
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



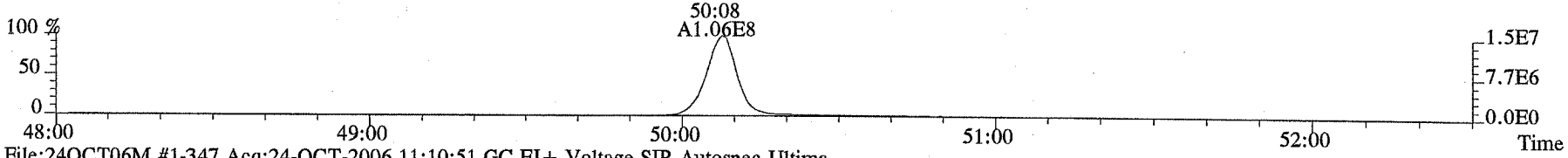
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



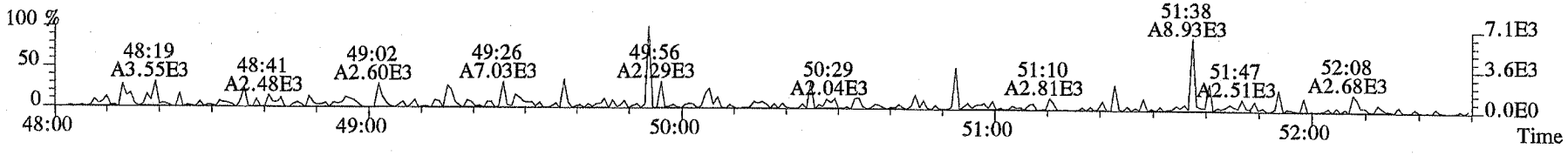
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



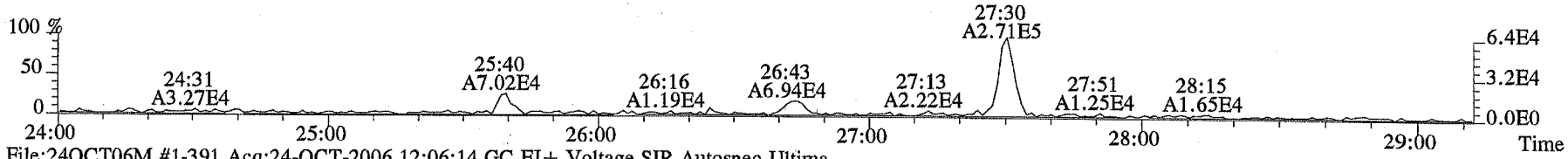
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



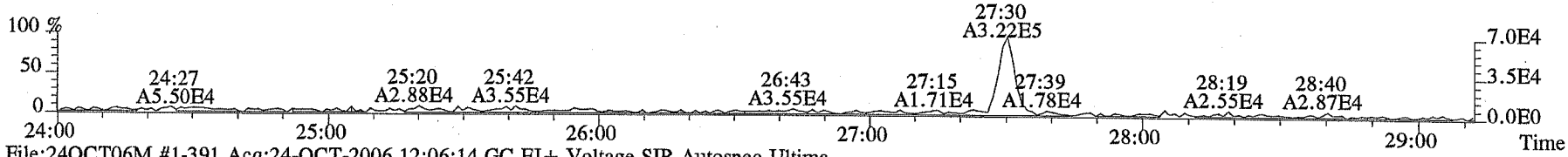
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



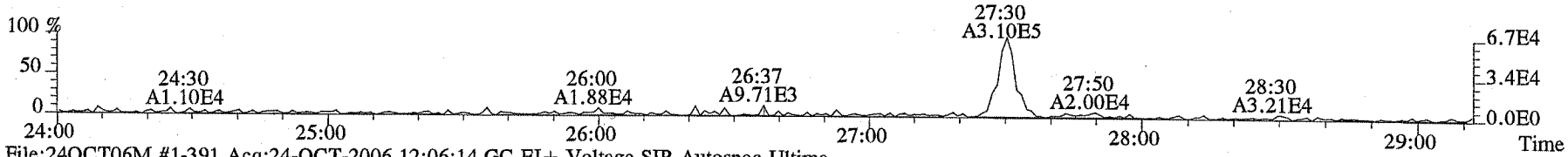
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



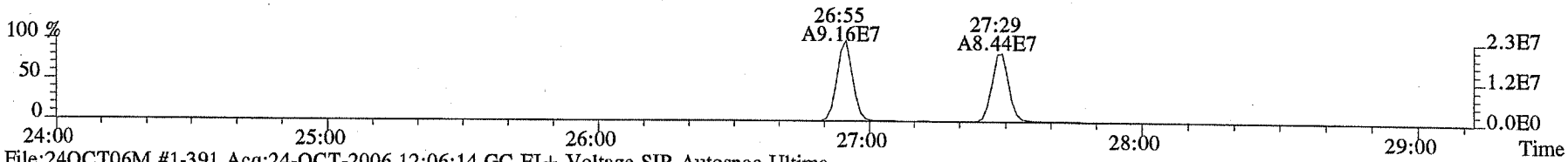
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



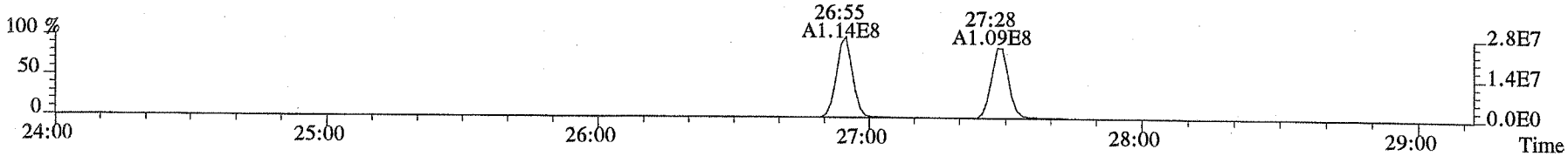
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



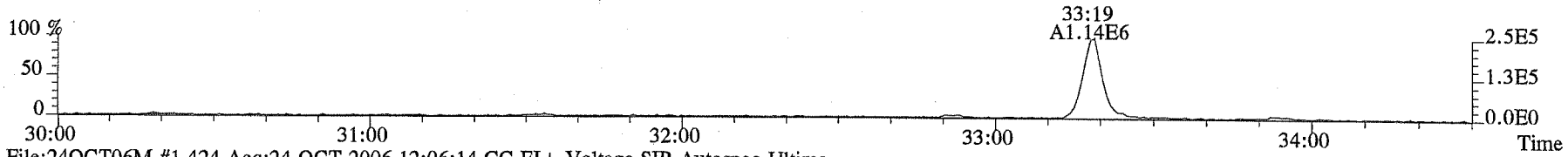
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



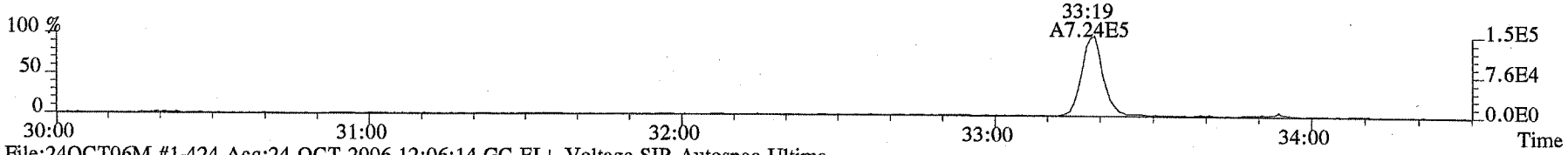
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



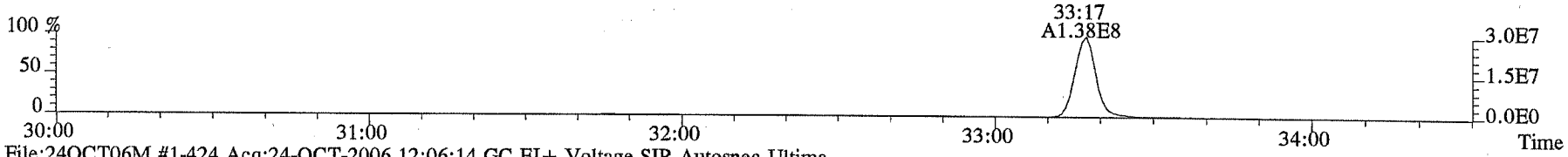
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



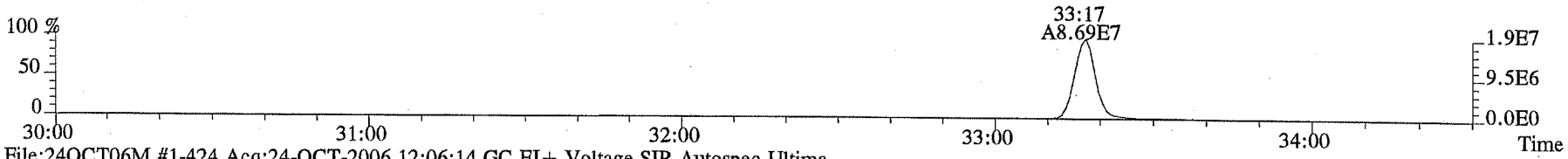
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



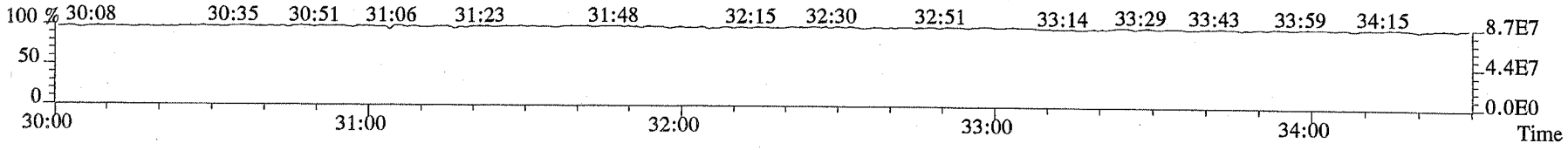
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



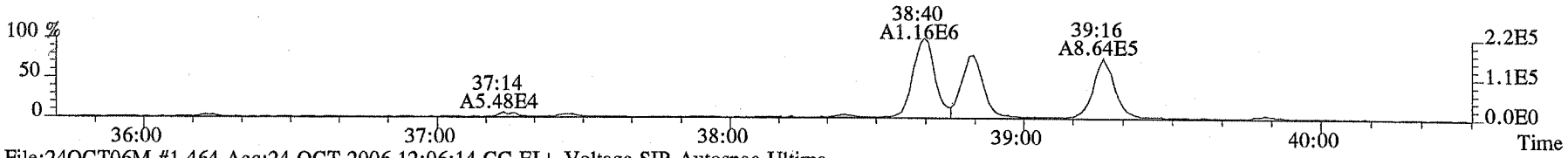
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



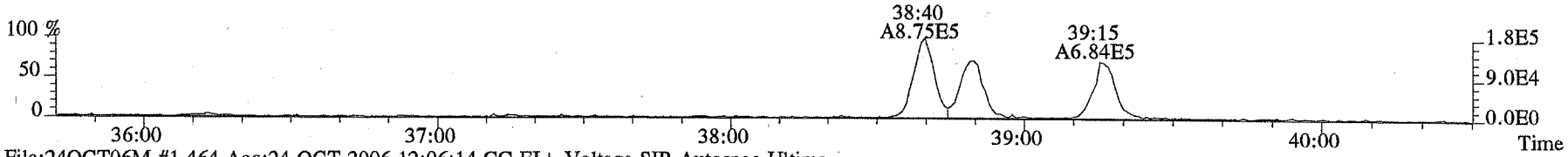
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



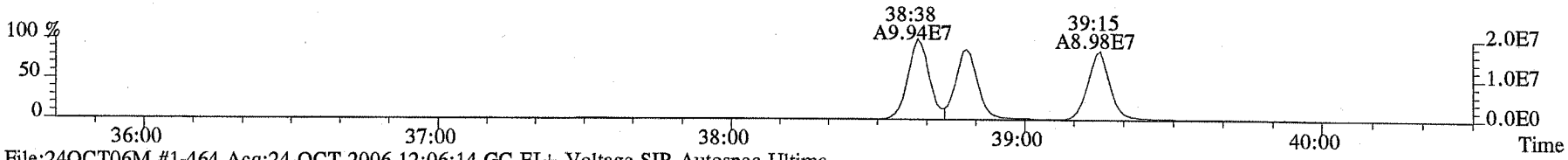
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



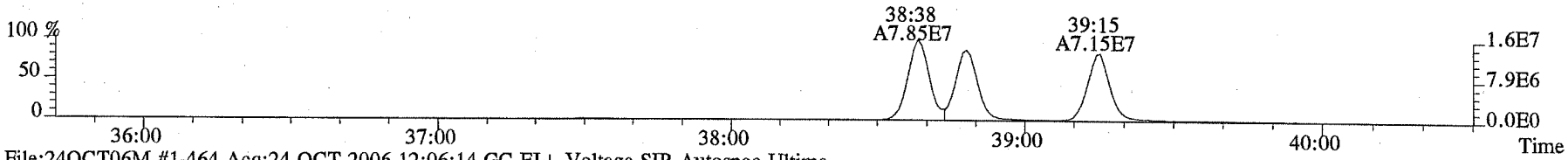
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



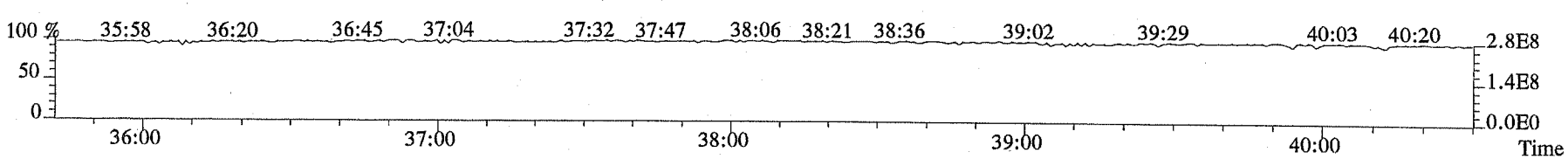
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



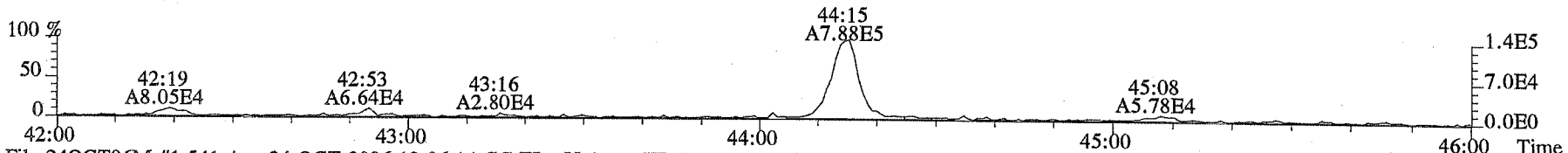
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



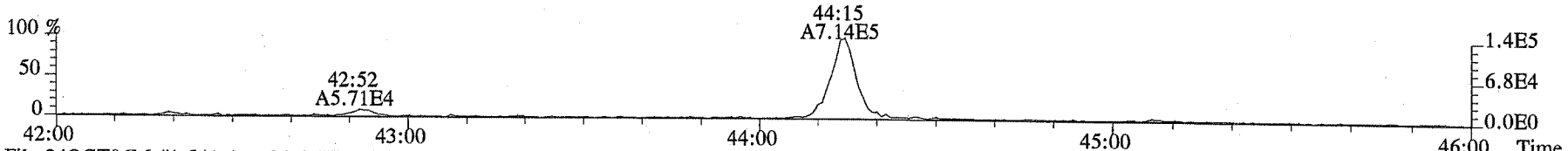
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:2 F:3 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



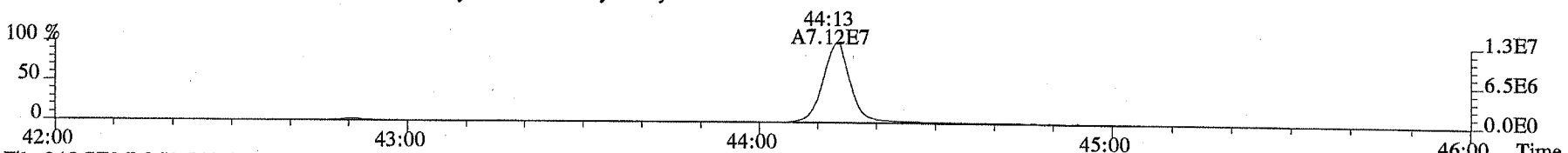
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



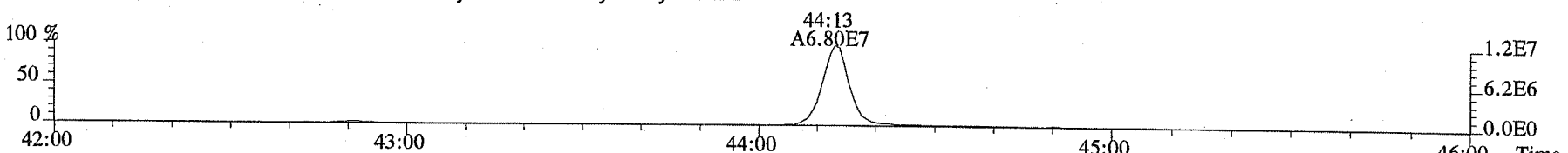
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



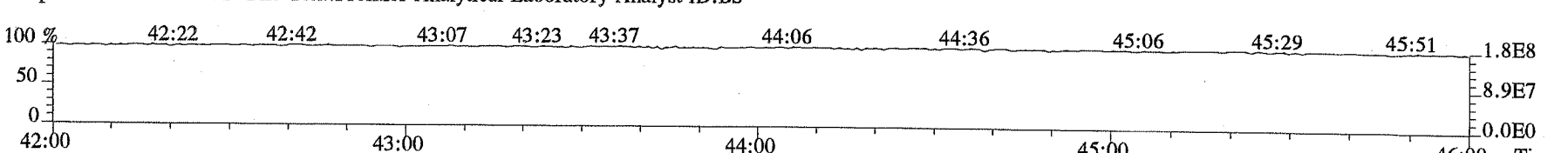
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



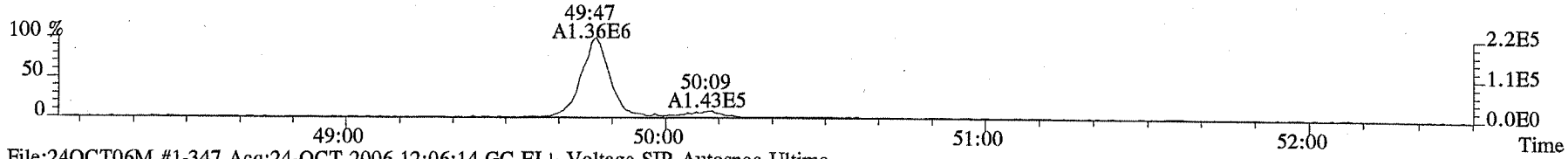
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



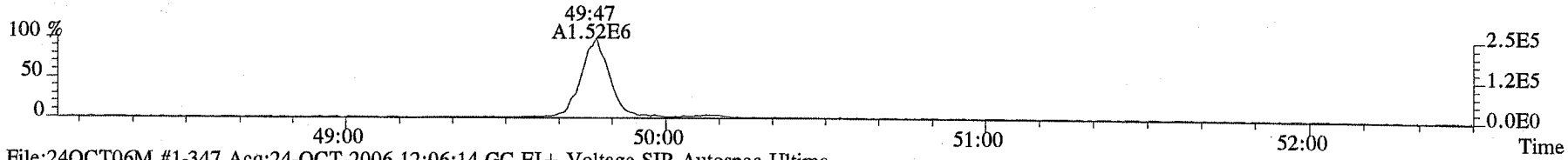
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



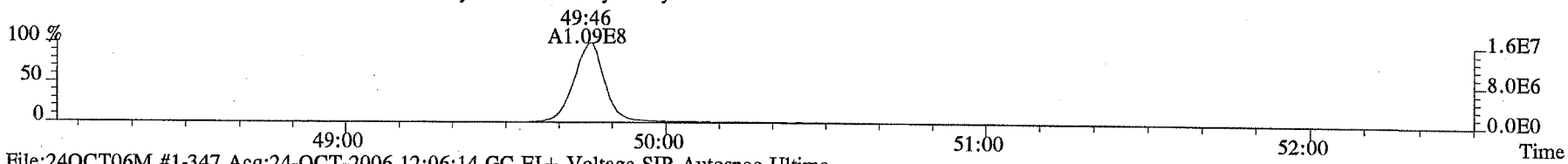
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



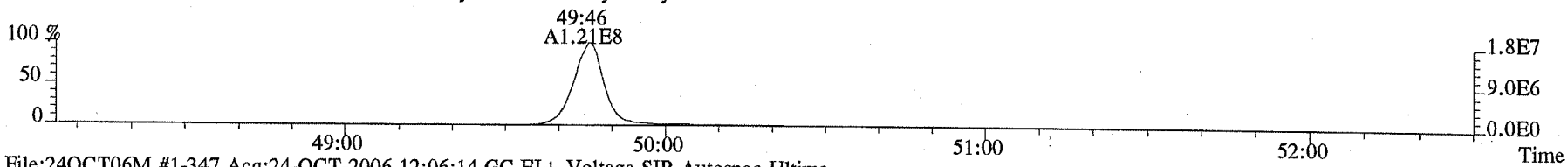
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



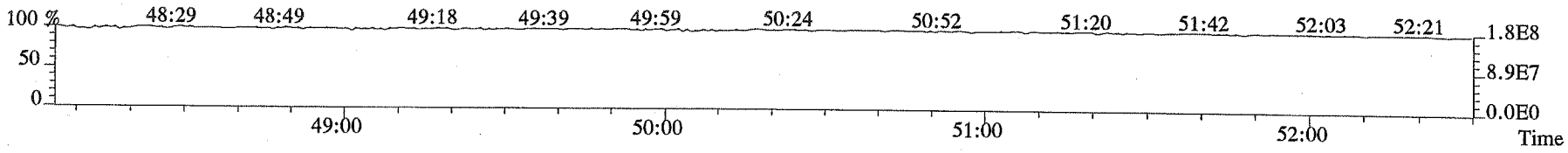
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



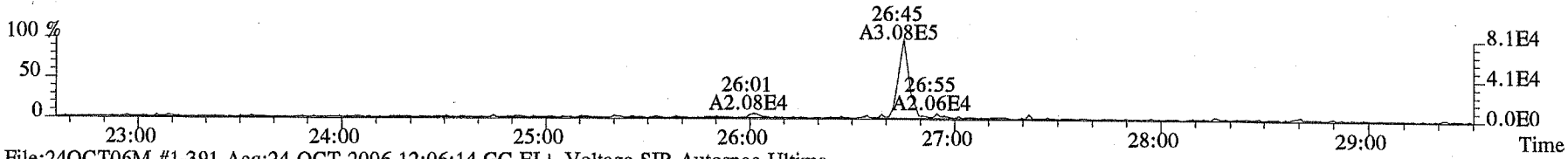
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



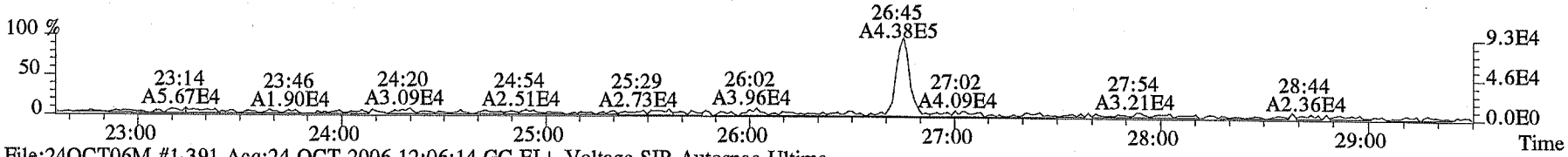
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



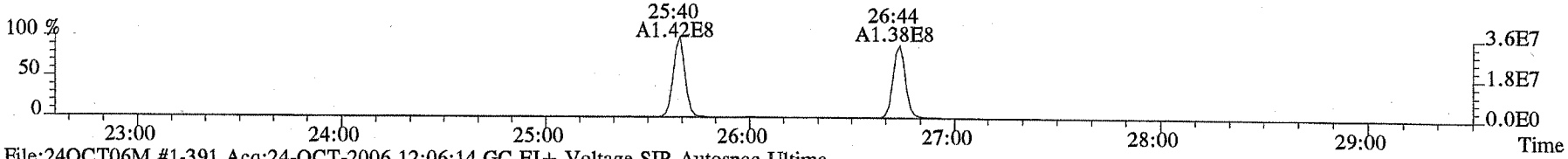
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



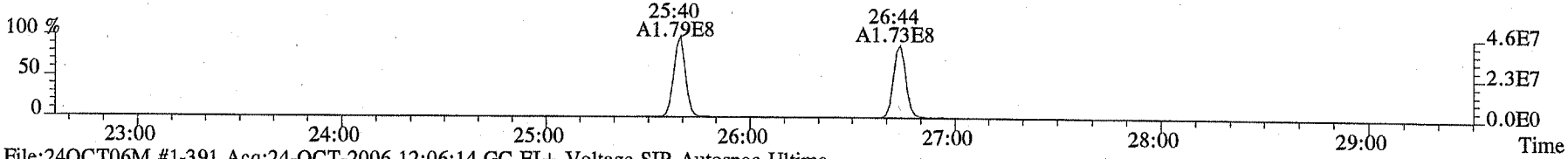
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



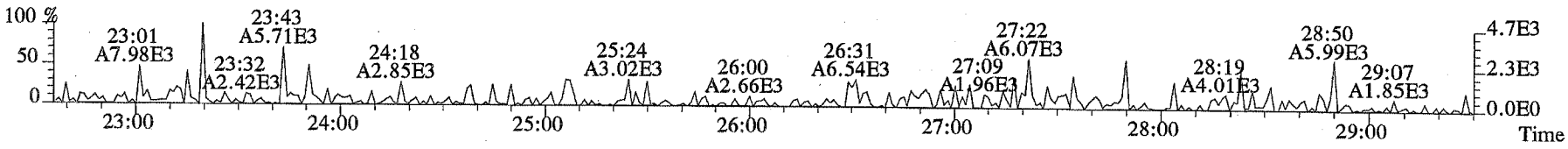
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



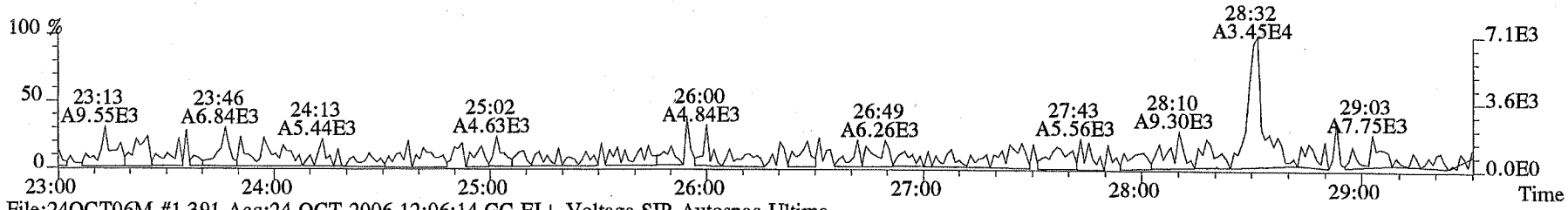
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



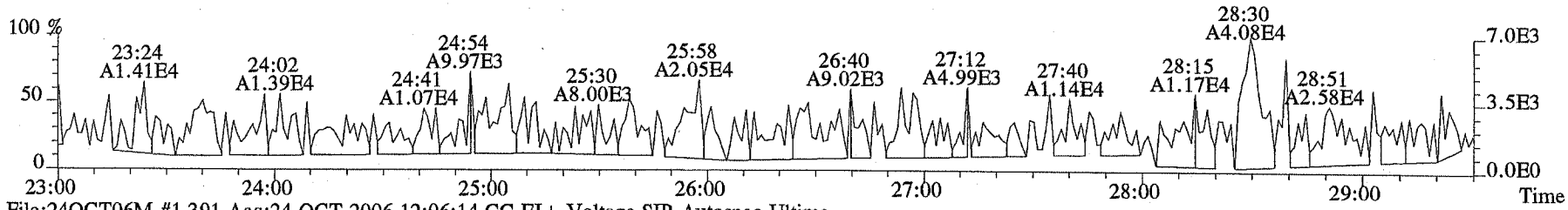
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



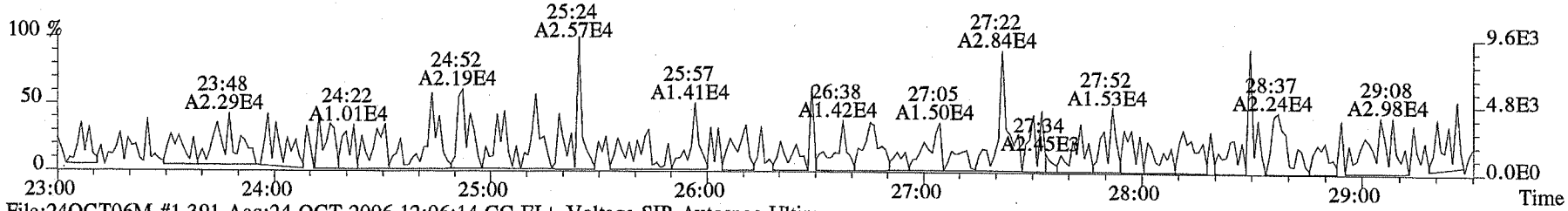
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



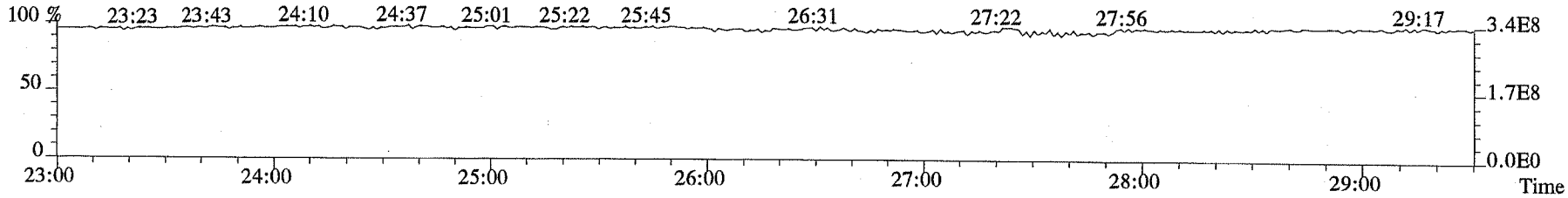
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



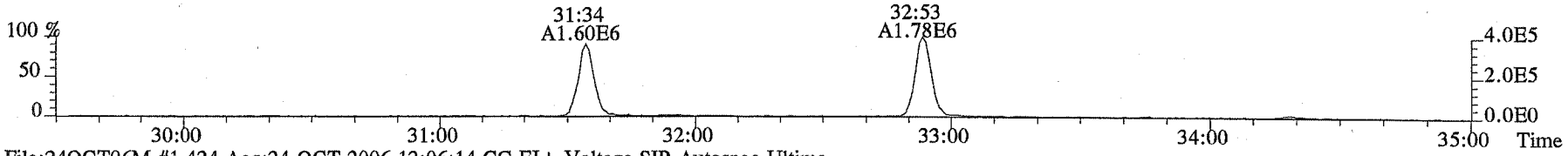
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



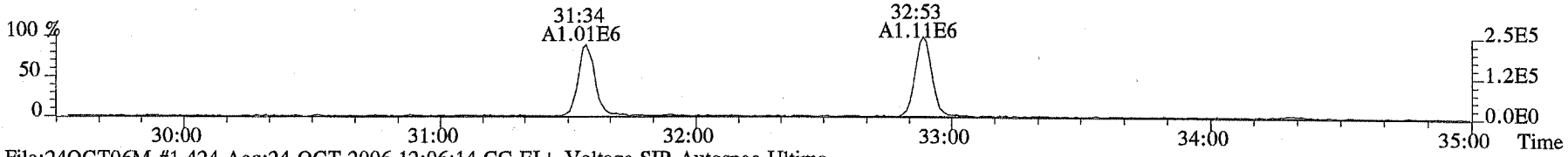
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:2 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



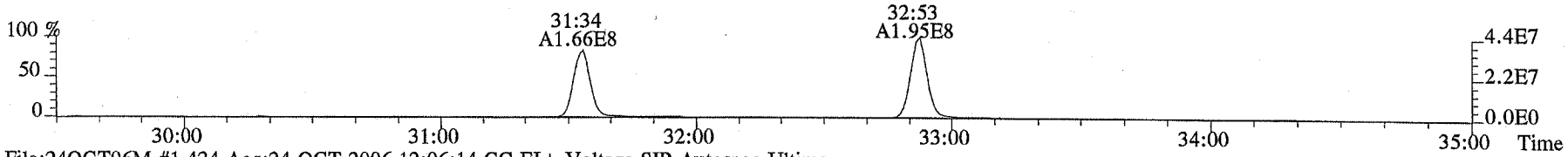
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



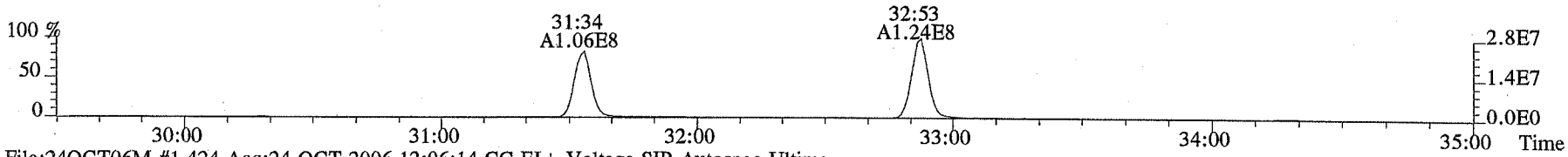
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



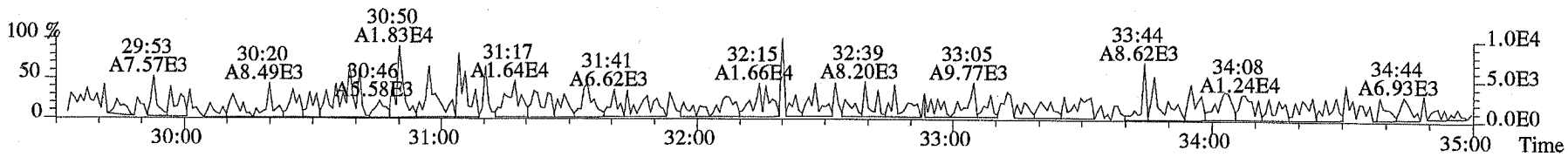
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



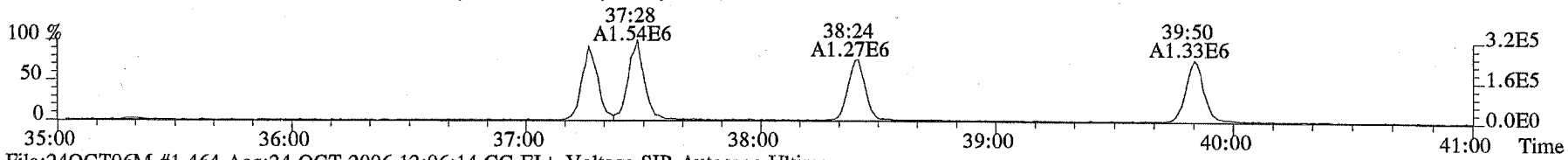
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



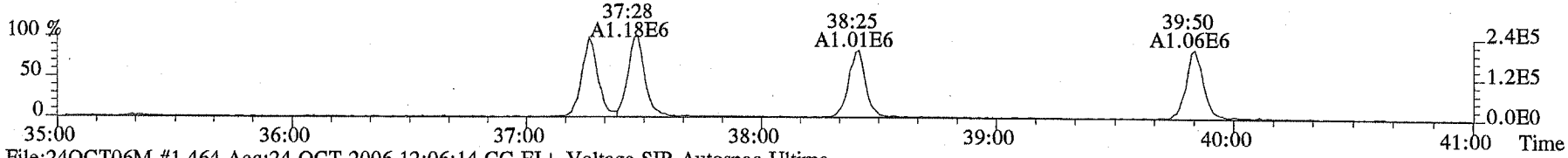
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



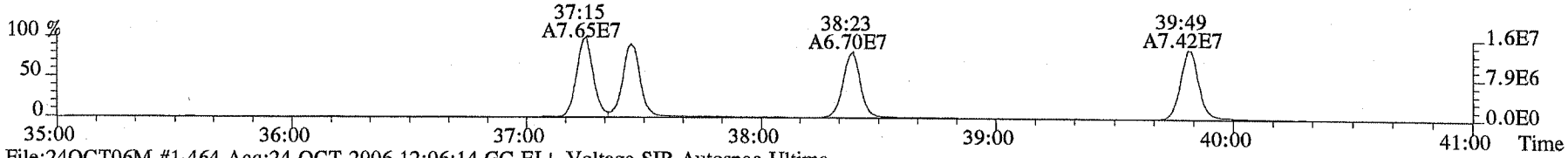
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



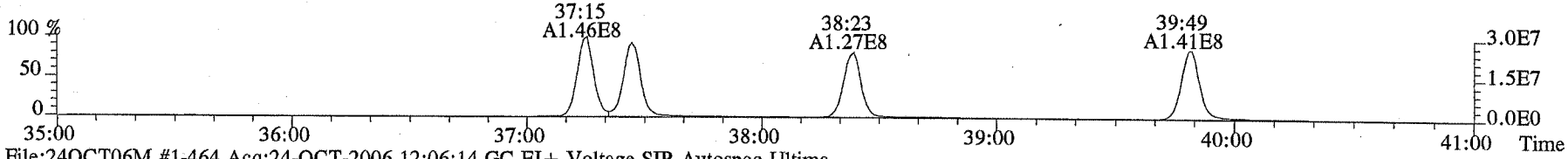
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



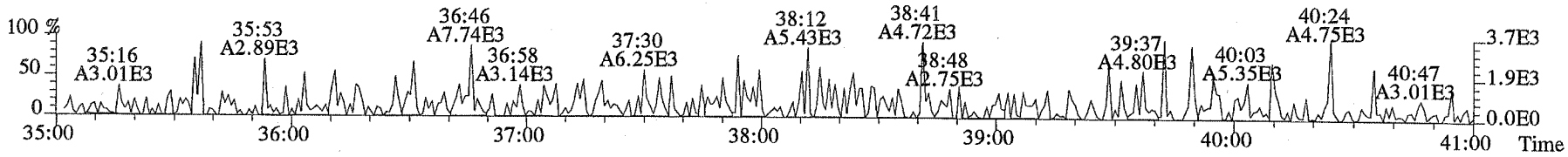
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



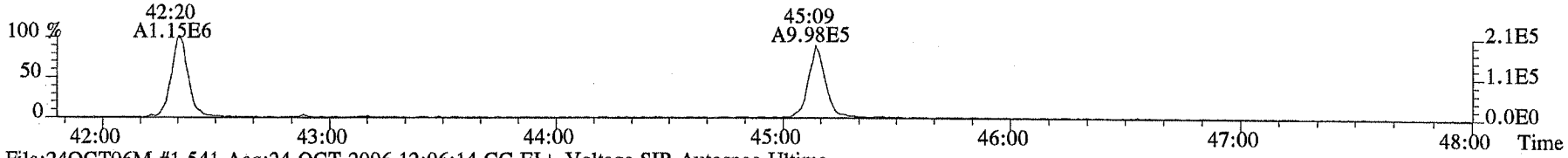
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



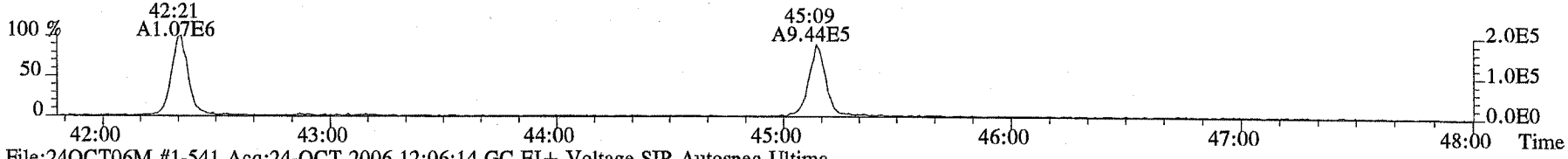
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



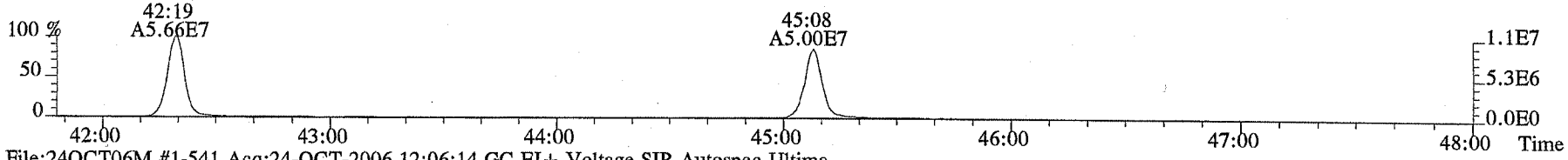
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



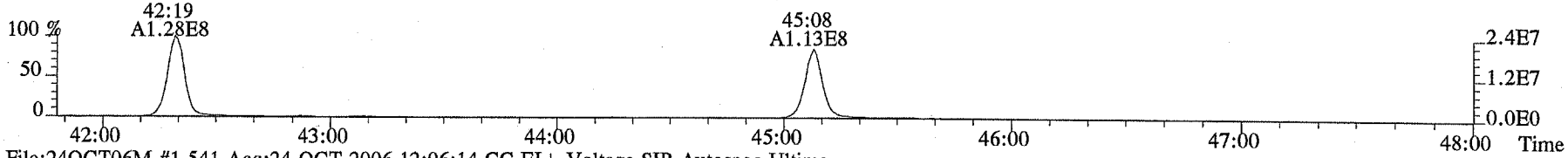
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



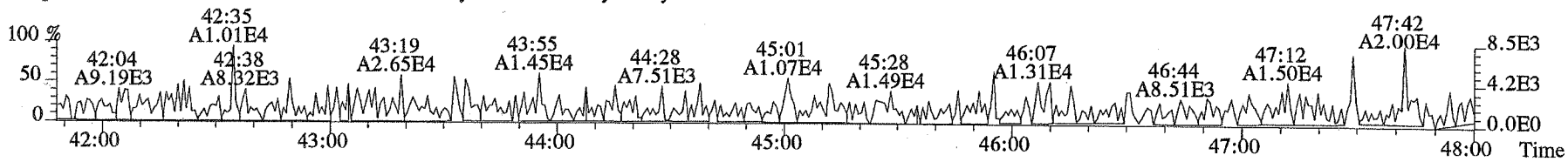
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



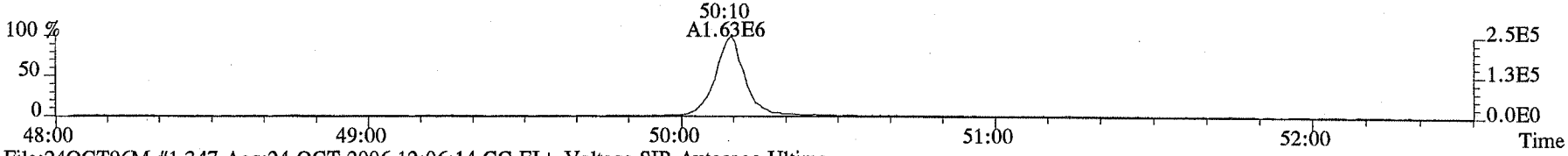
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



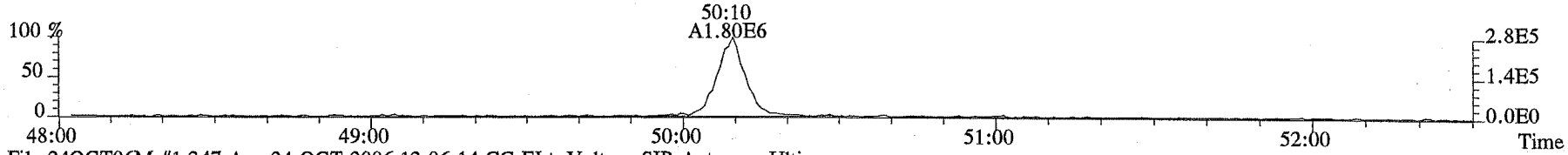
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



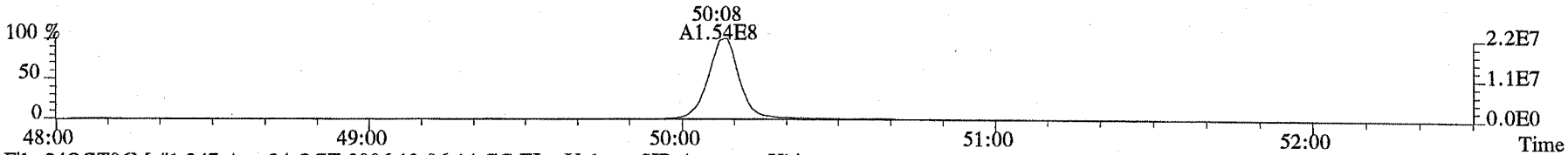
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



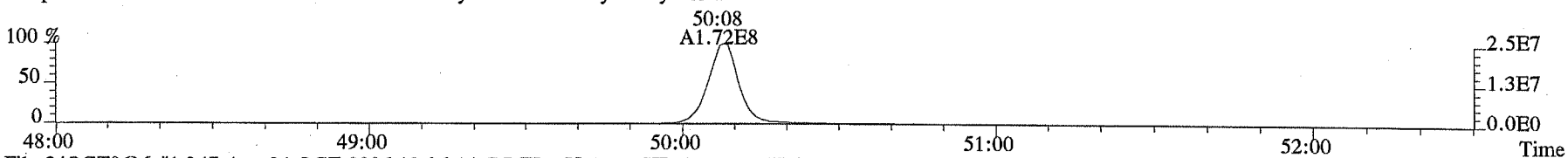
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



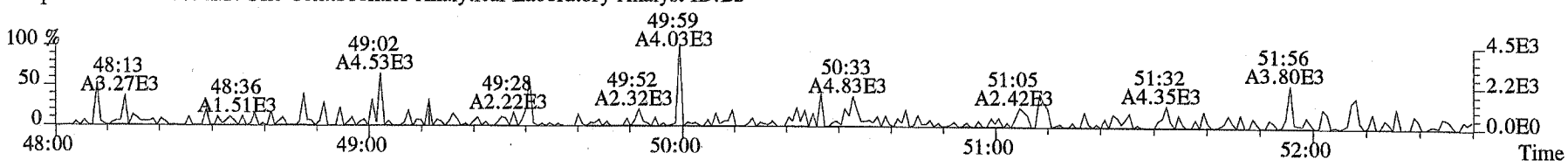
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



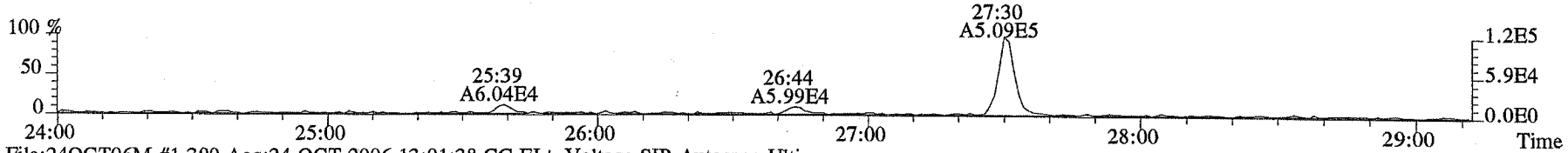
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



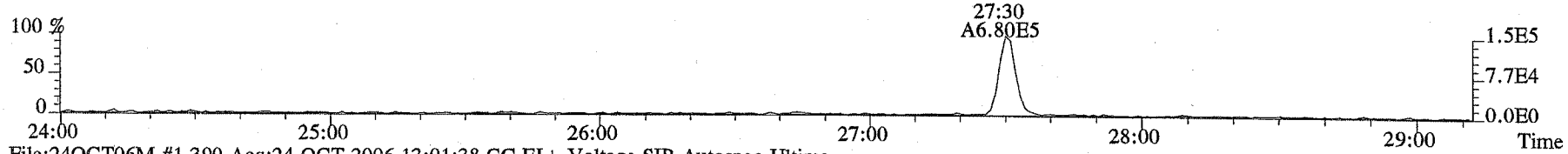
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



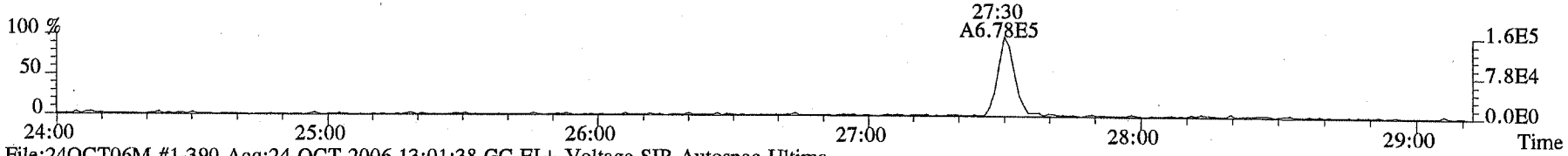
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



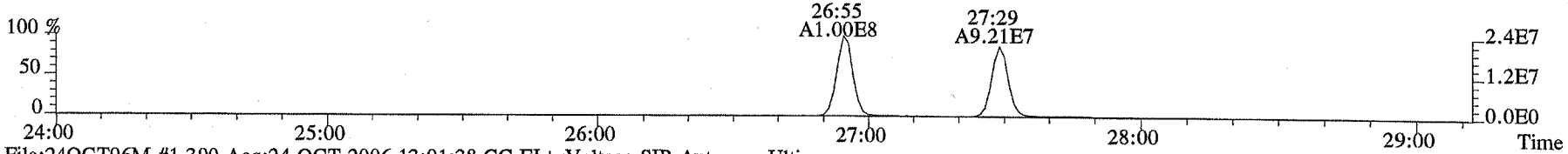
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



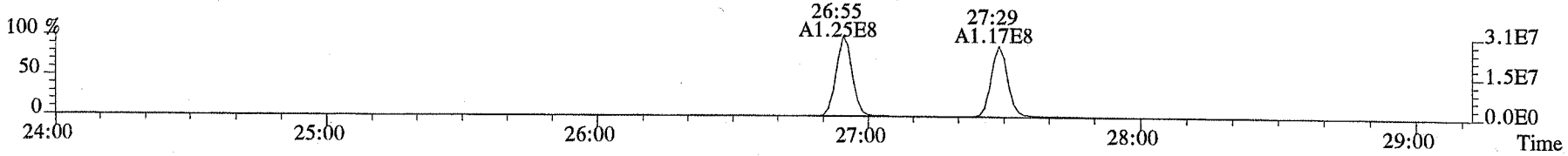
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



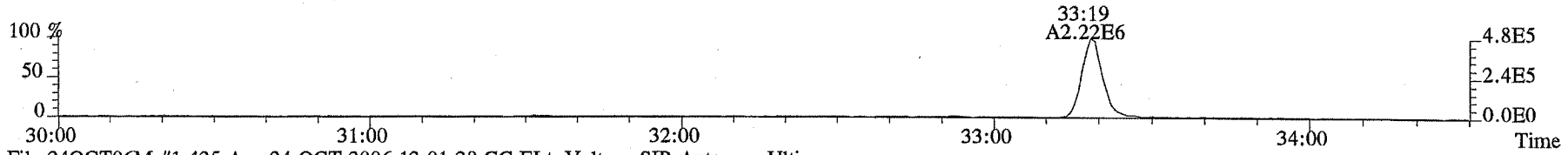
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



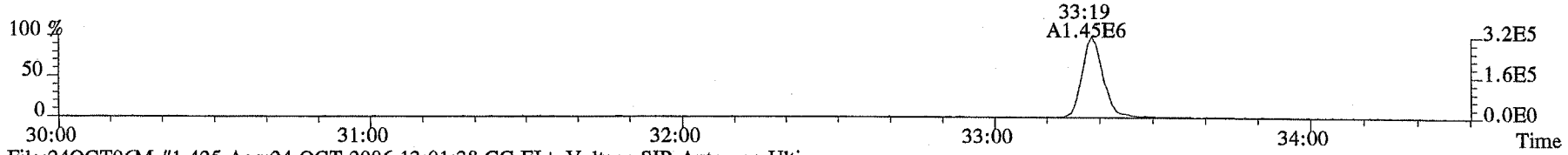
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



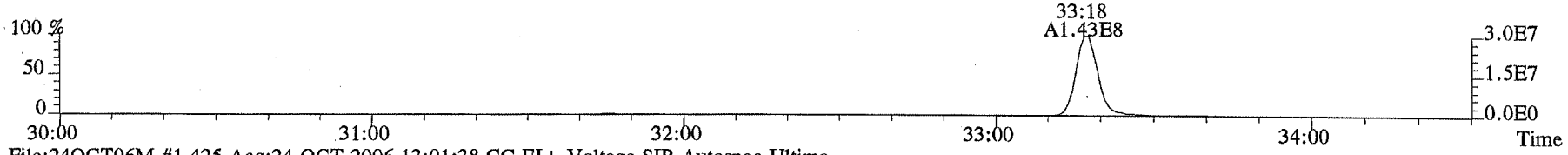
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



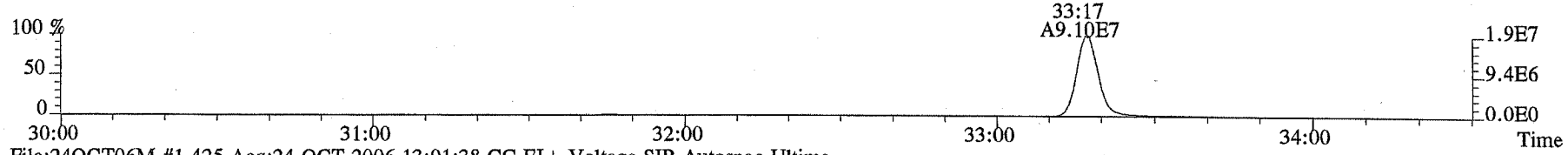
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



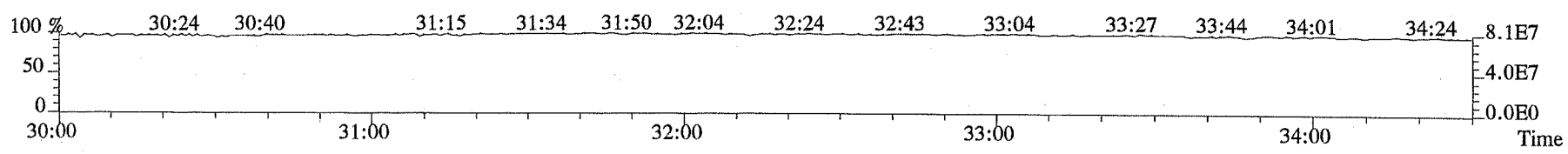
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



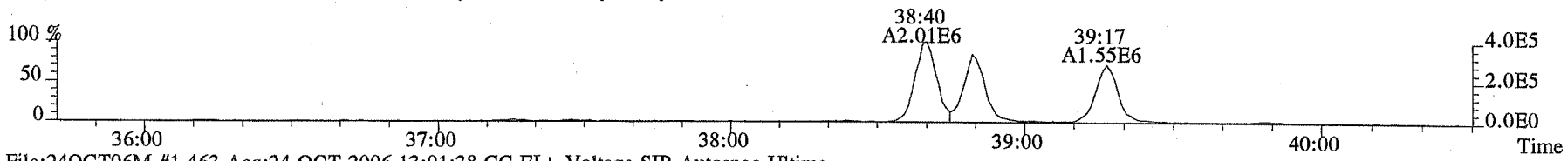
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



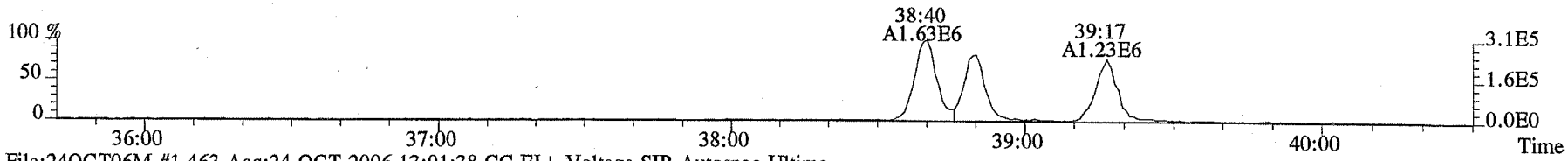
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



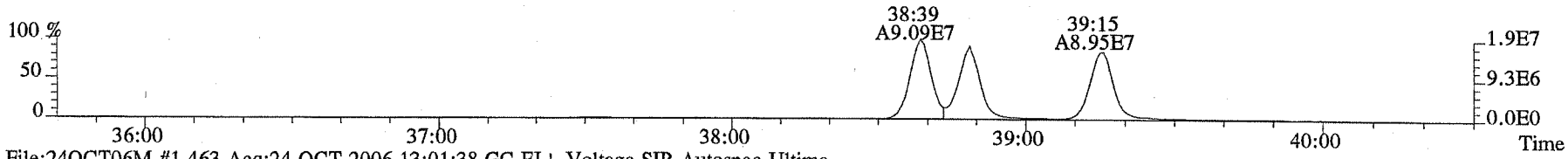
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



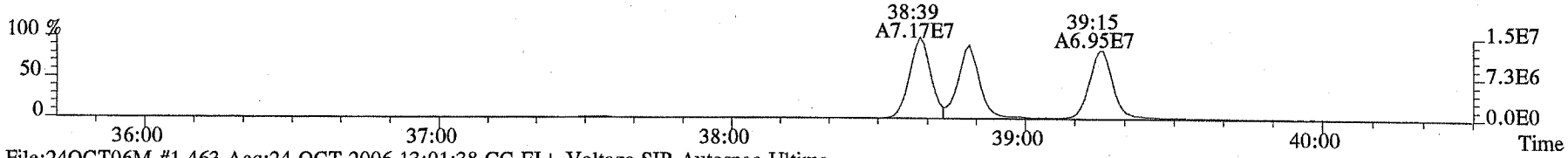
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



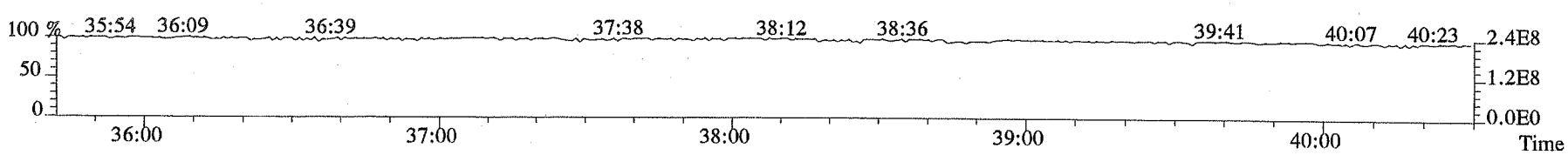
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



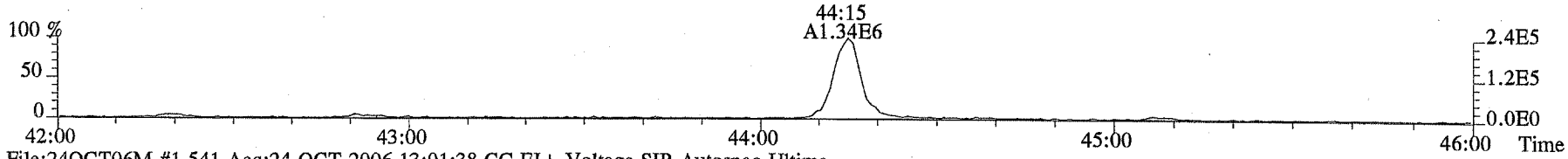
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



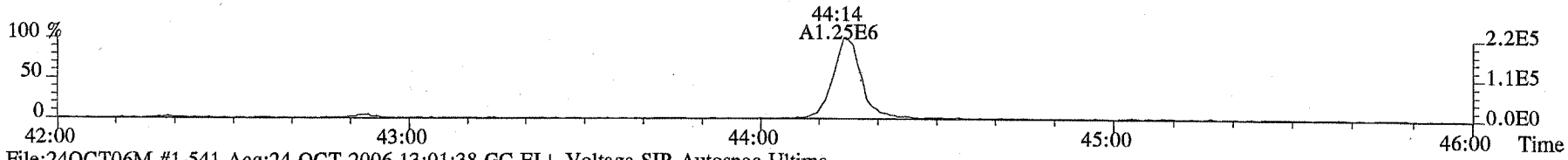
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:3 F:3 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



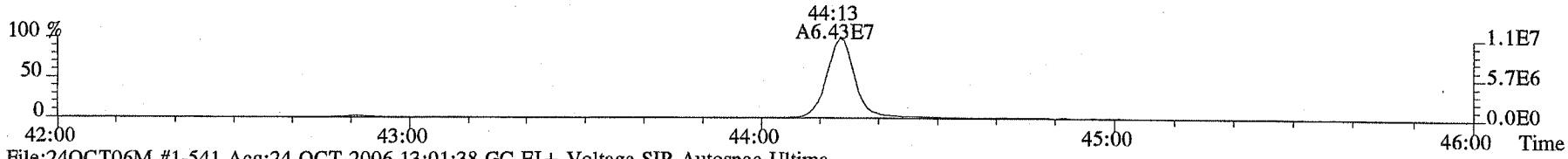
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



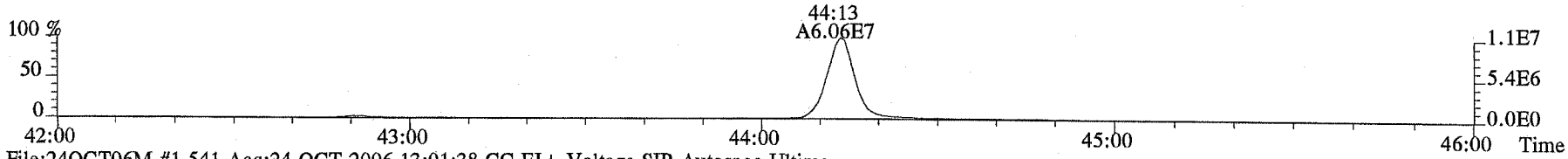
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



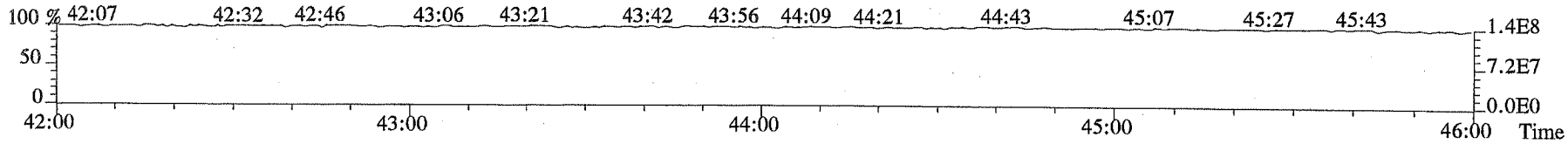
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



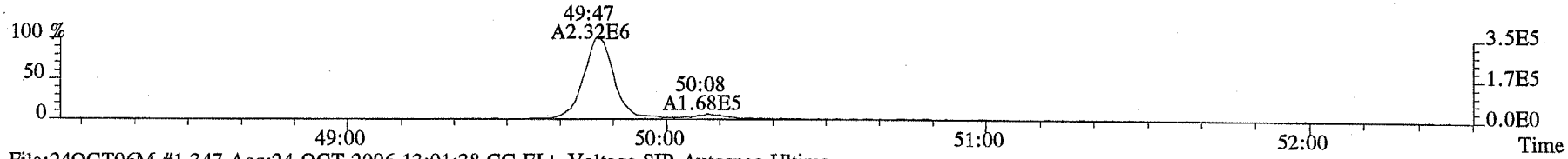
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



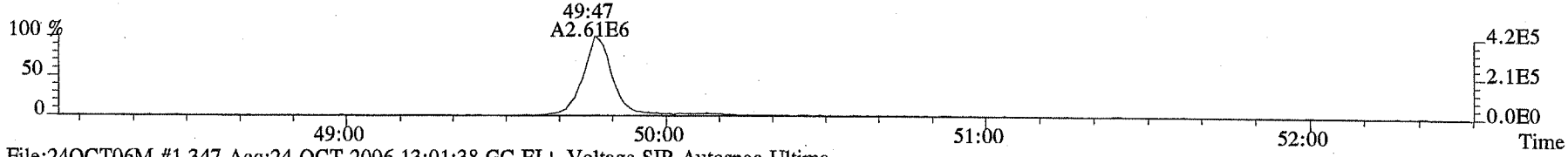
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:3 F:4 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



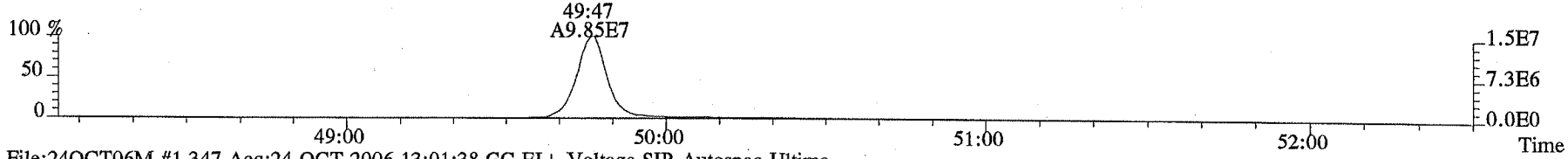
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



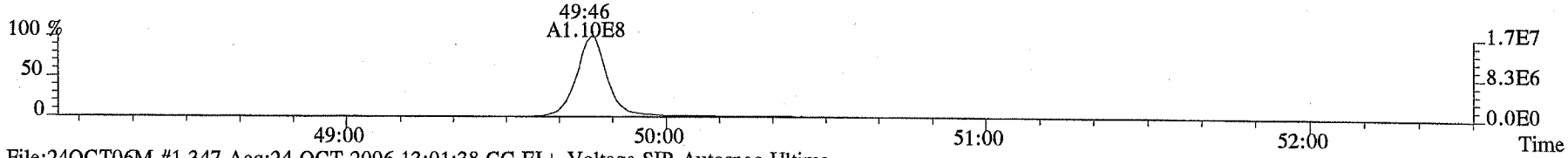
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



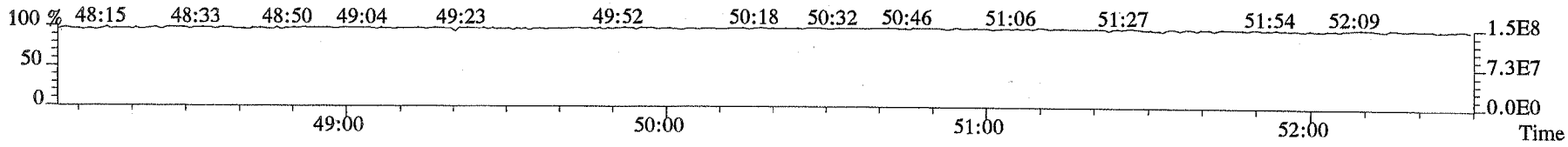
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



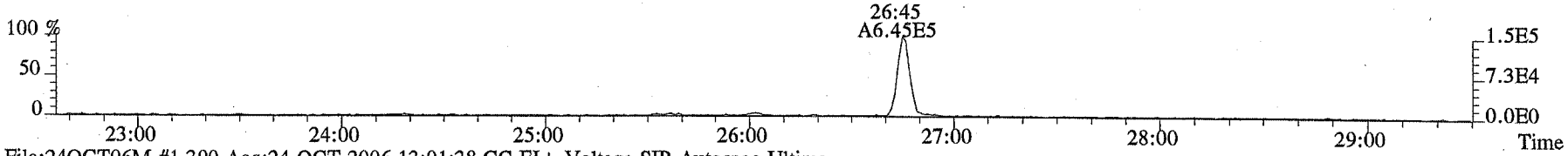
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



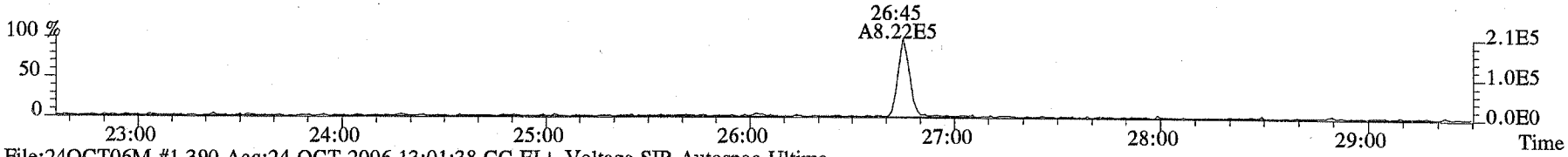
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:3 F:5 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



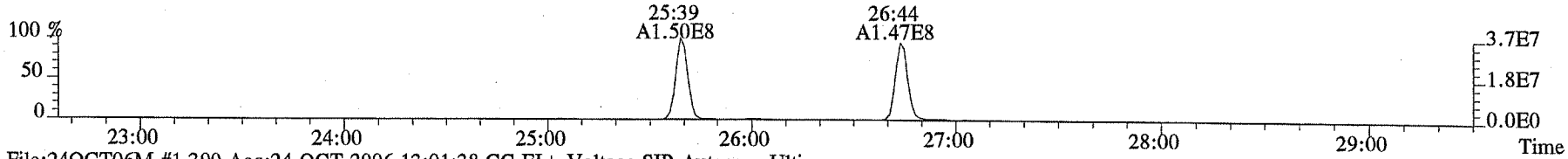
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



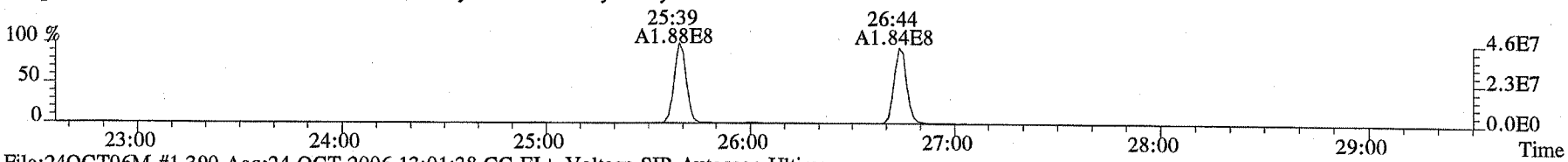
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



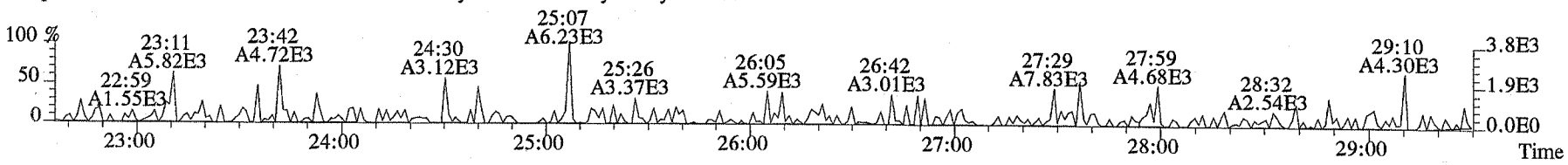
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



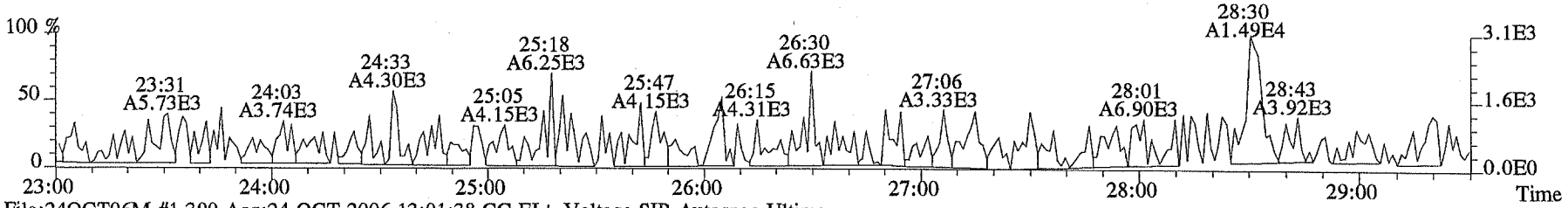
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



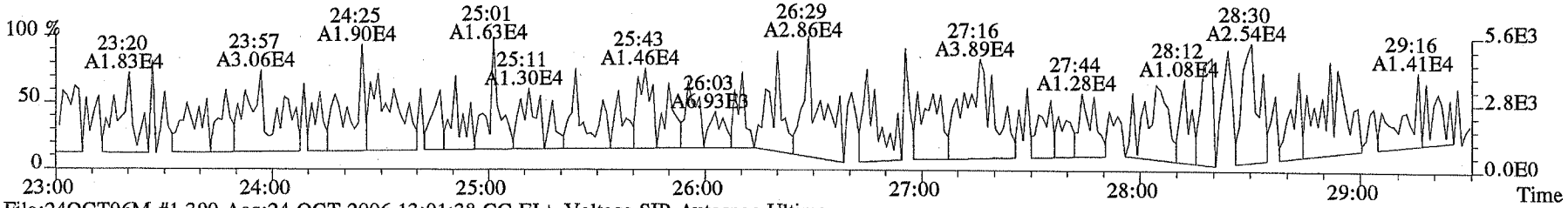
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



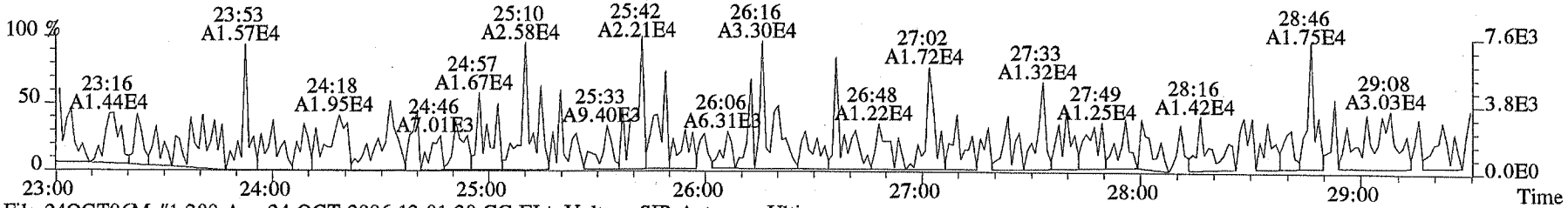
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



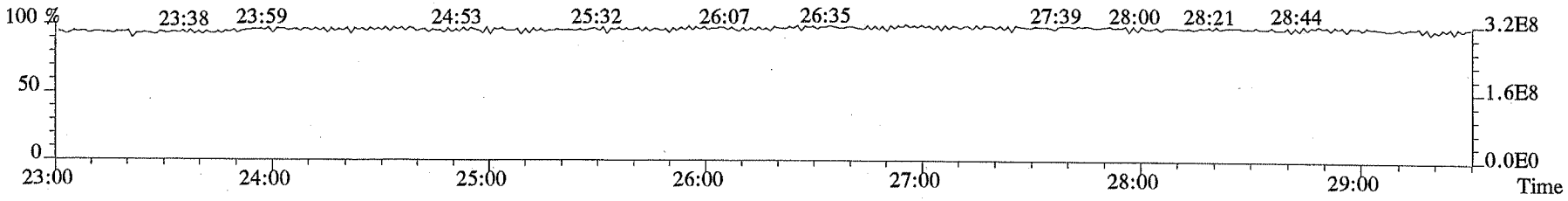
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



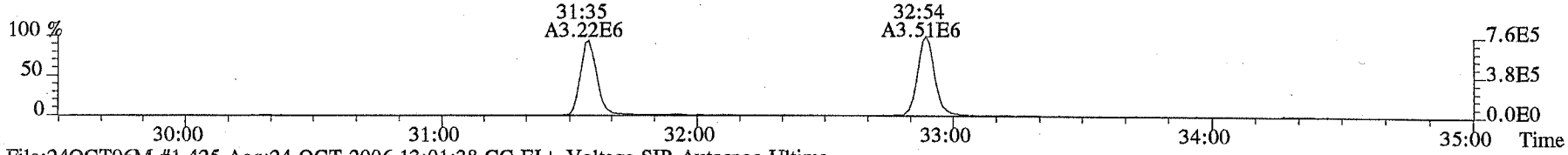
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



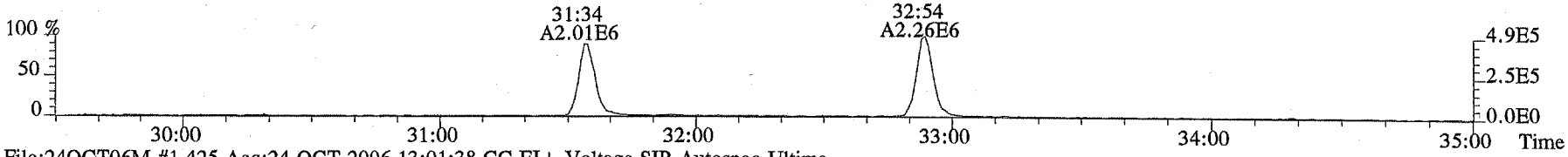
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:3 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



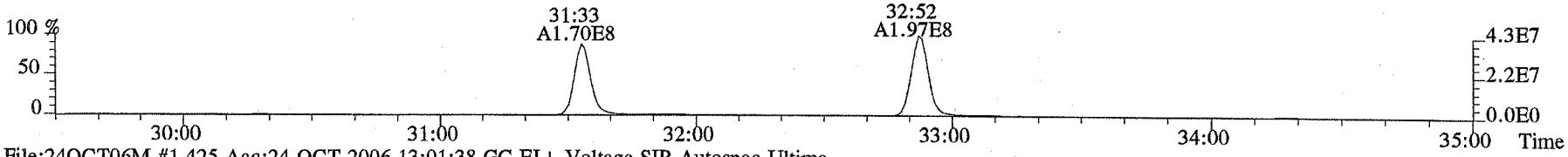
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



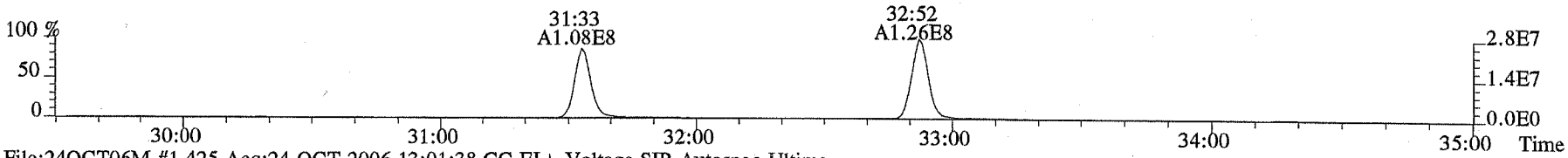
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



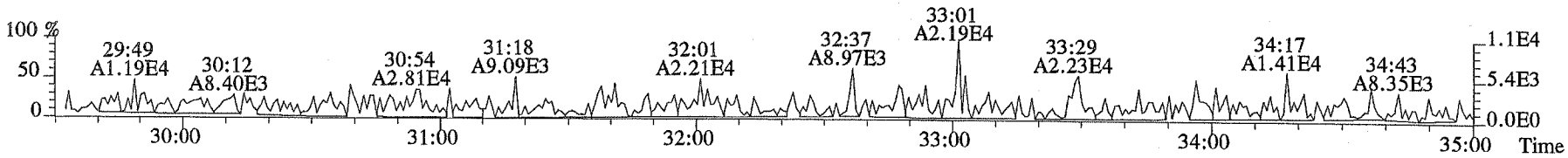
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



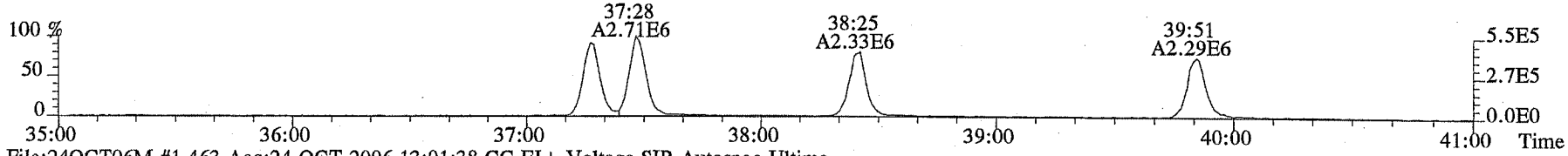
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



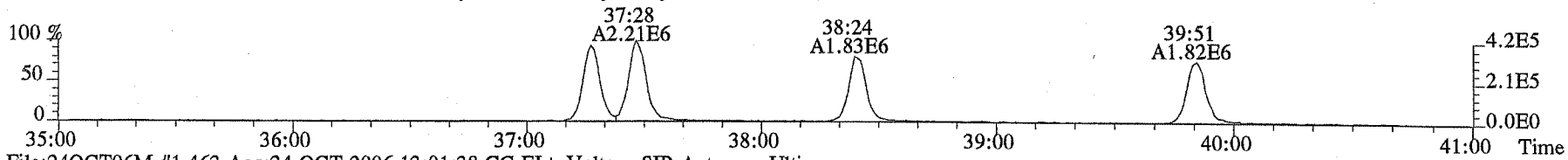
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



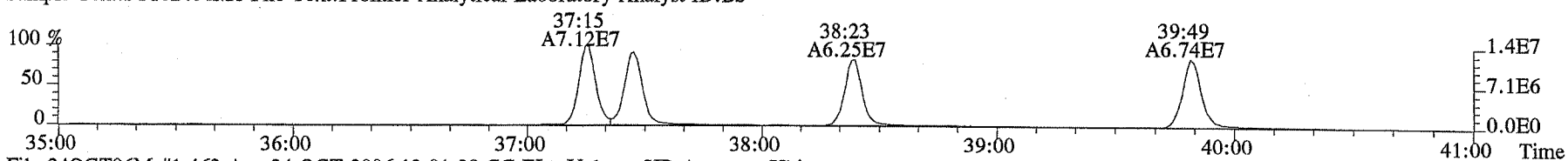
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



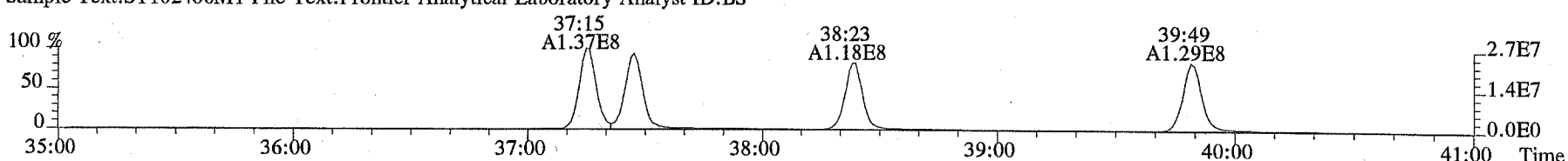
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



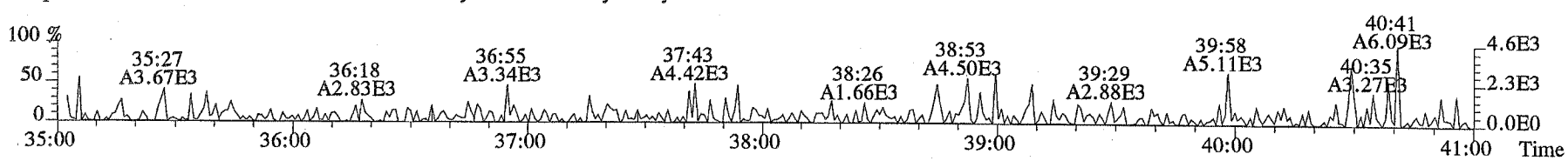
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



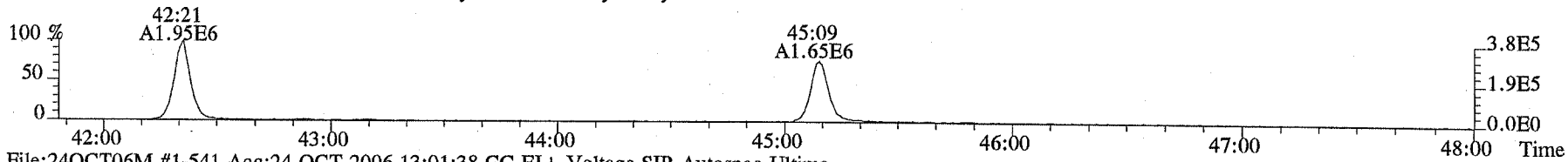
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



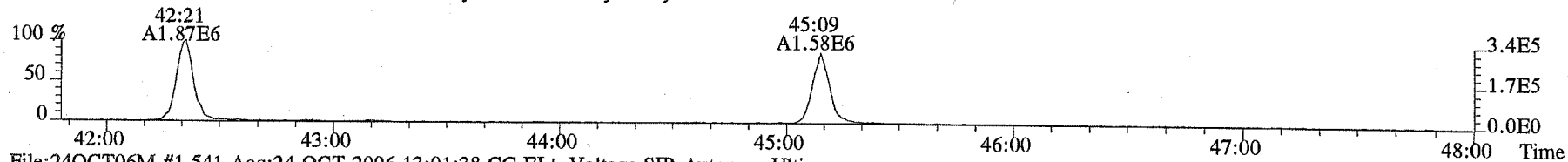
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



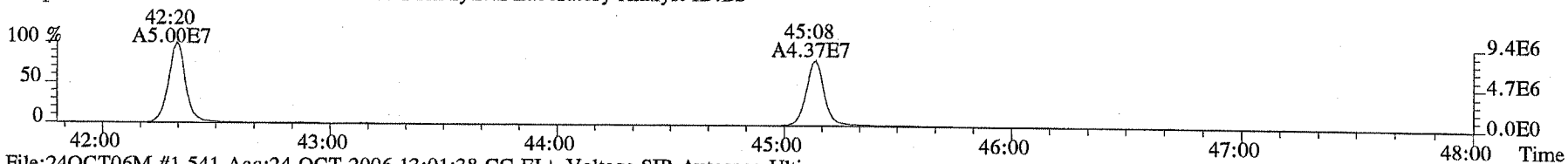
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



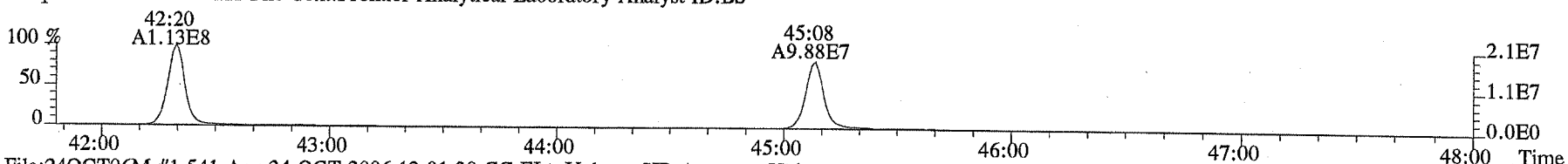
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



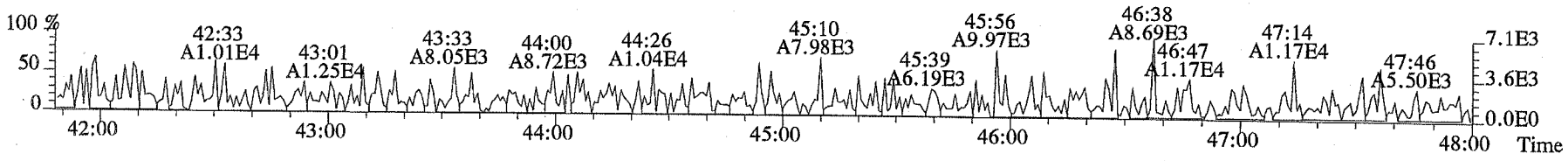
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



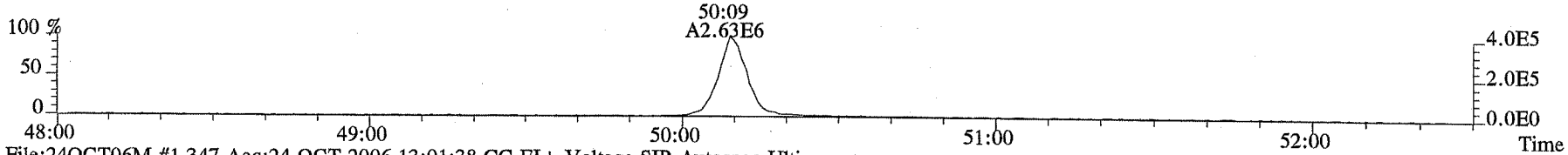
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



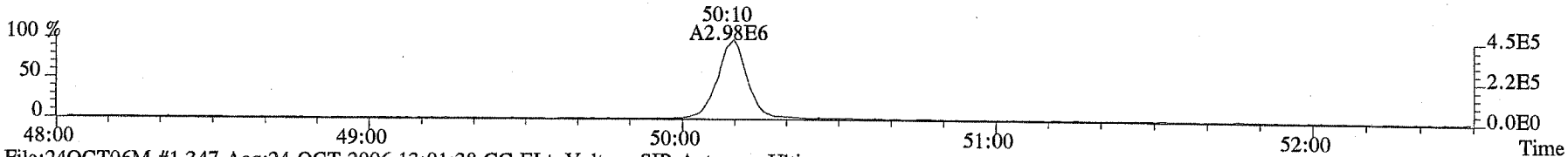
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



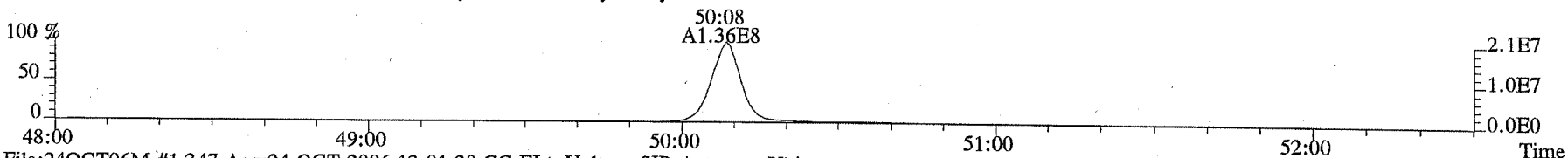
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



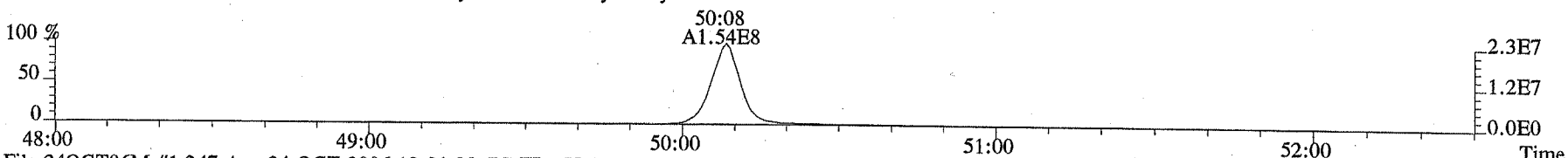
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



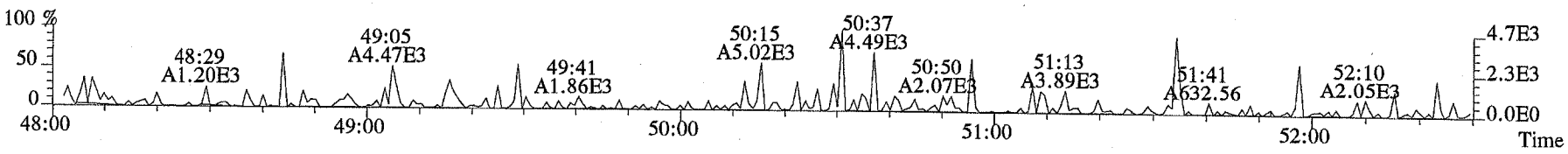
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



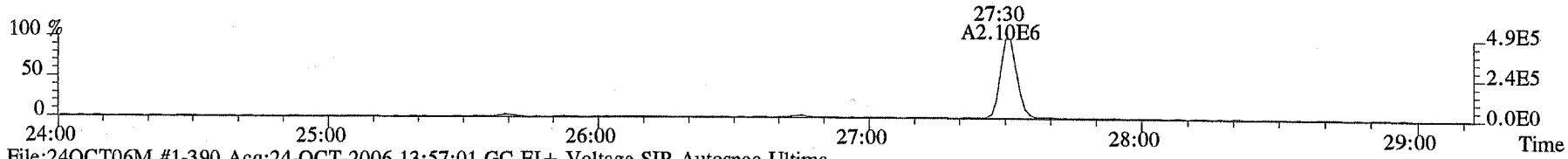
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



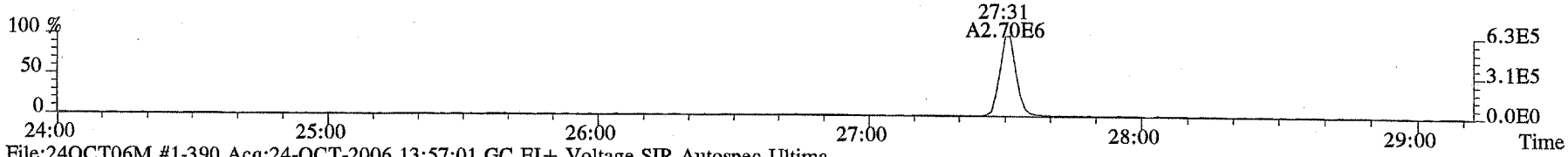
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



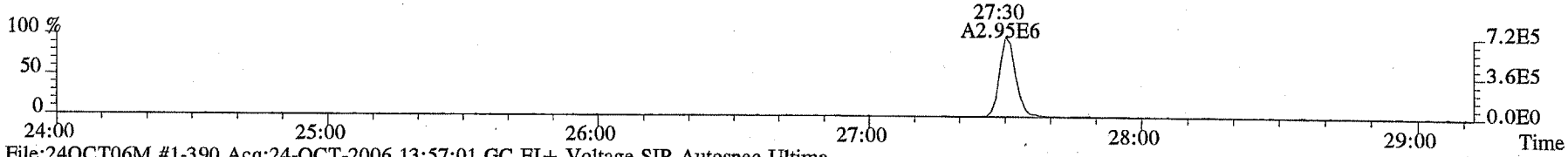
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



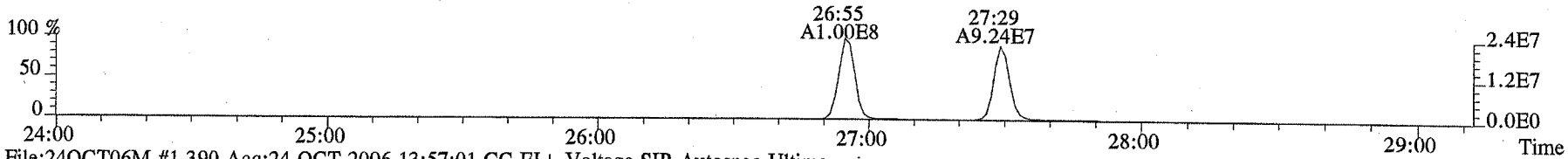
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



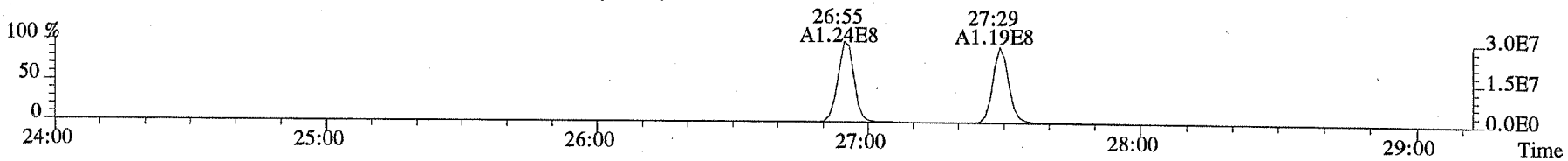
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



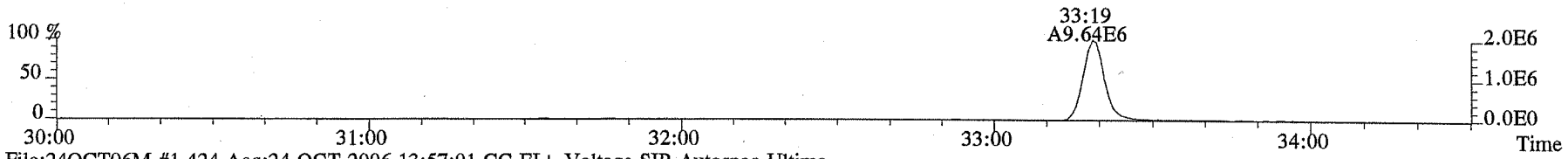
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



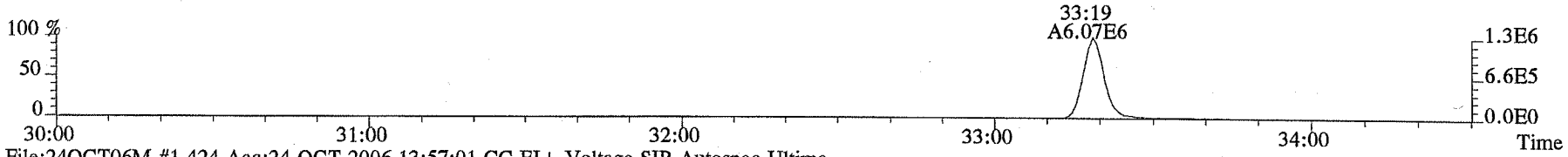
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



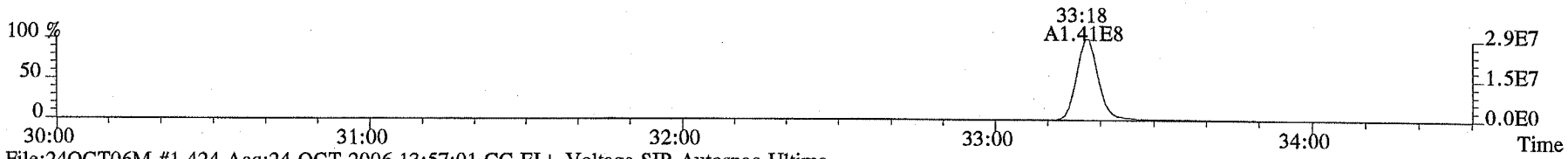
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



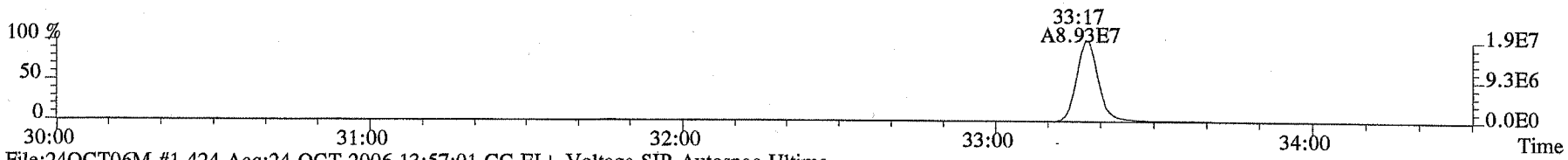
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



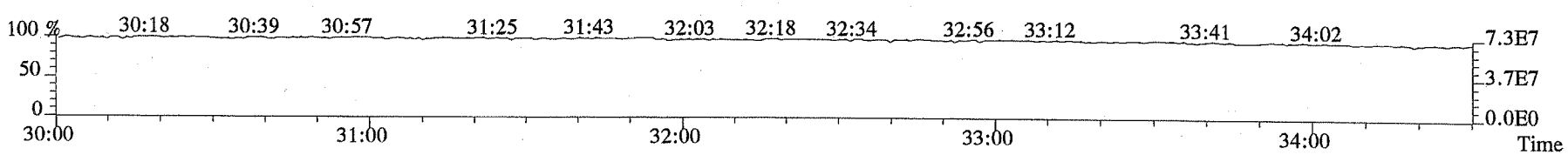
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



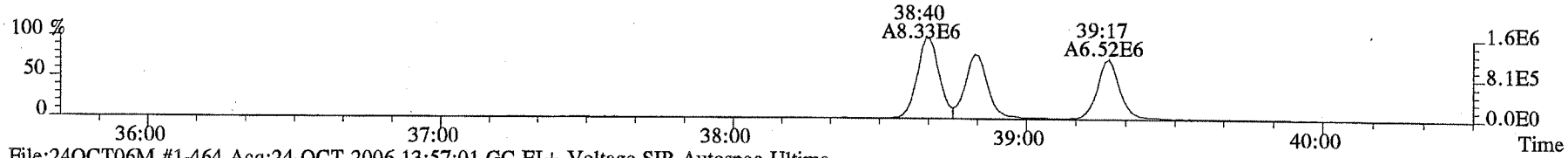
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



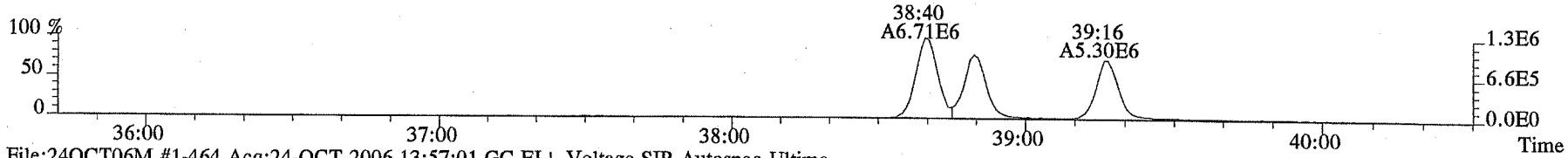
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:4 F:2 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



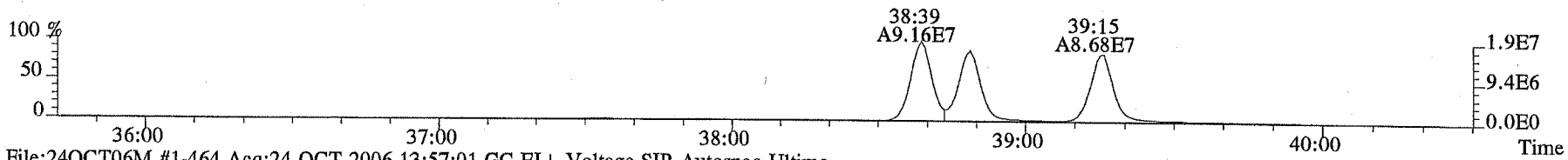
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



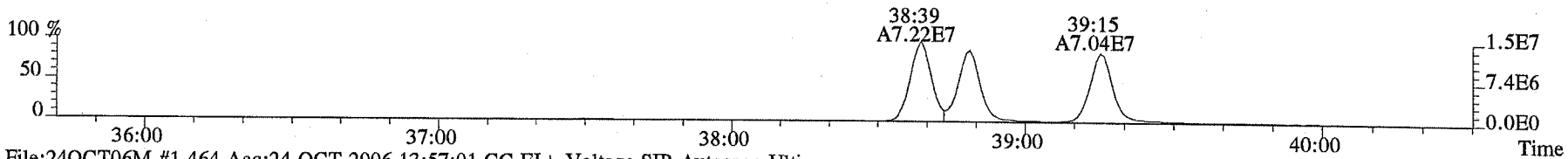
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



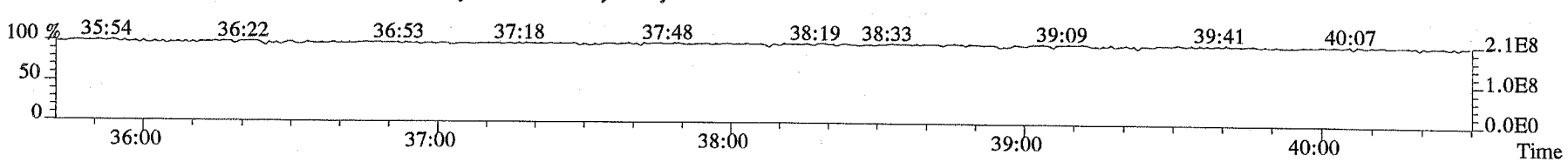
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



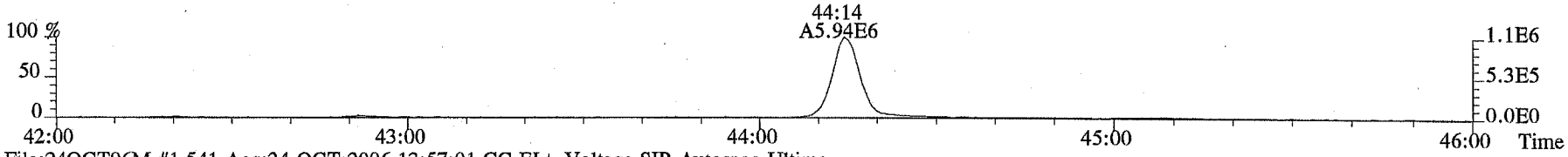
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



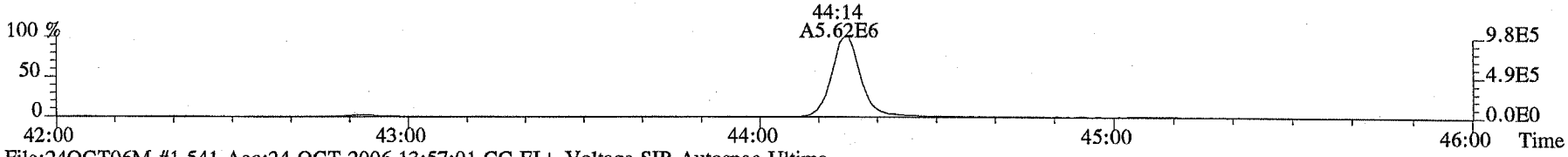
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:4 F:3 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



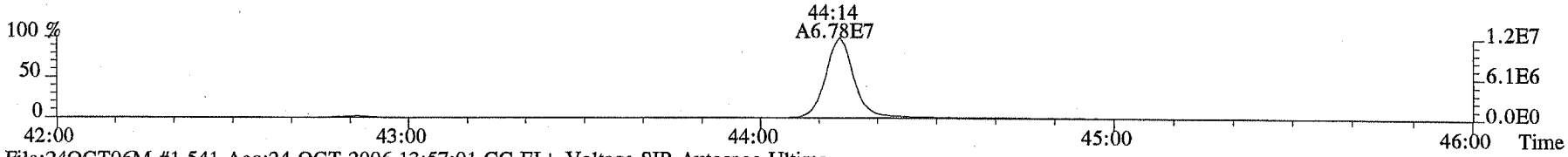
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



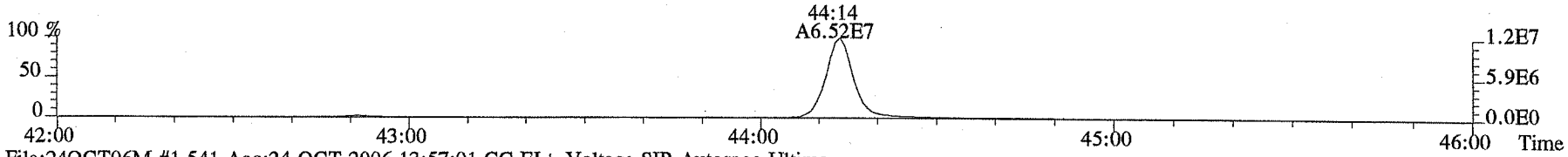
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



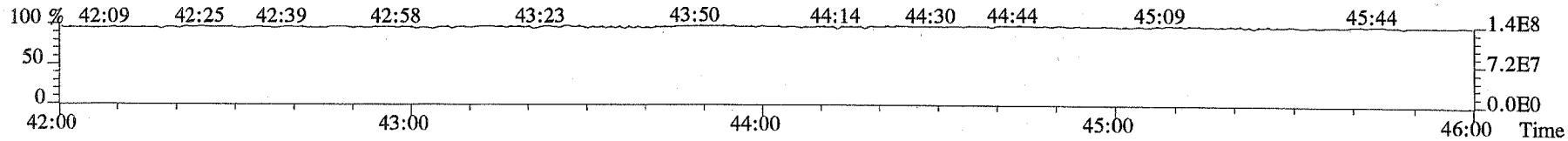
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



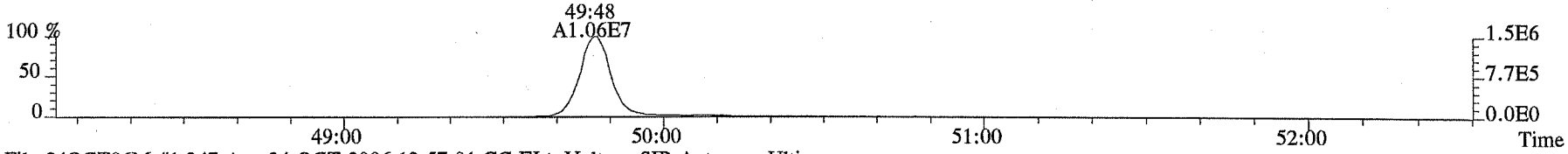
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



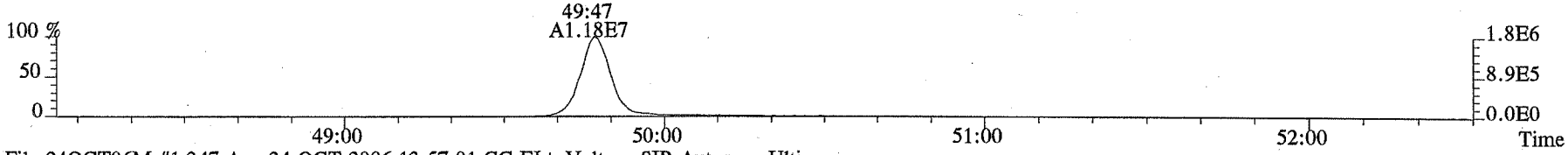
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:4 F:4 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



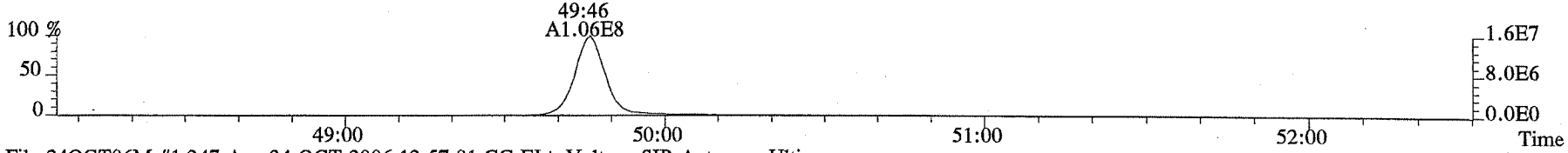
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



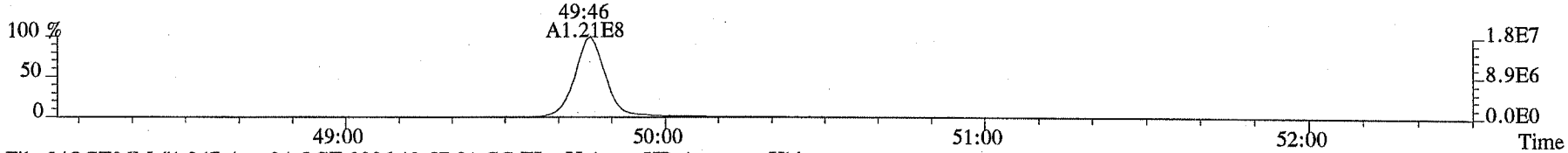
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



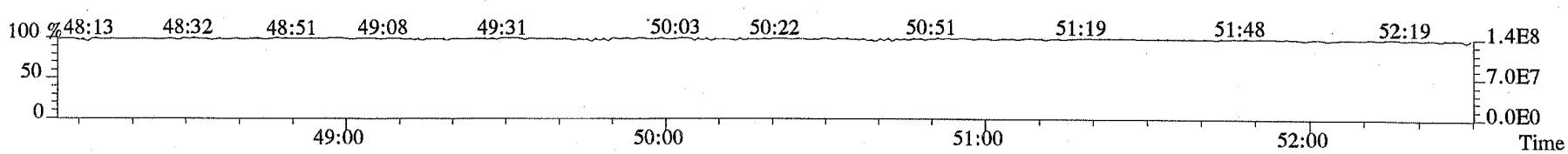
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



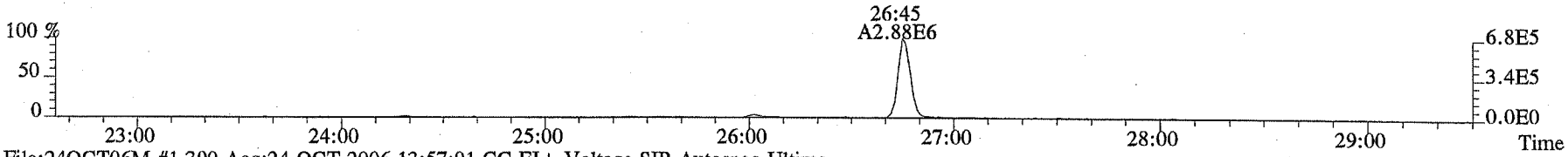
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



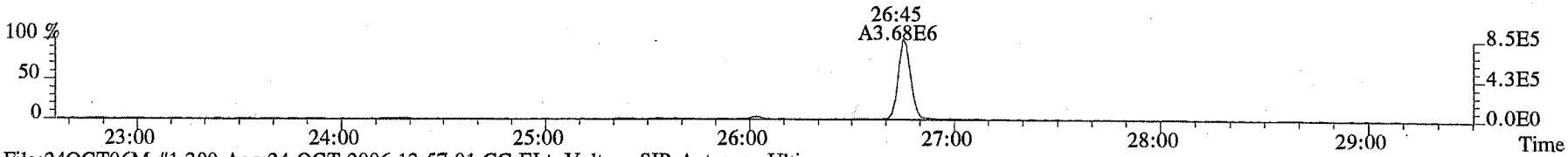
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:4 F:5 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



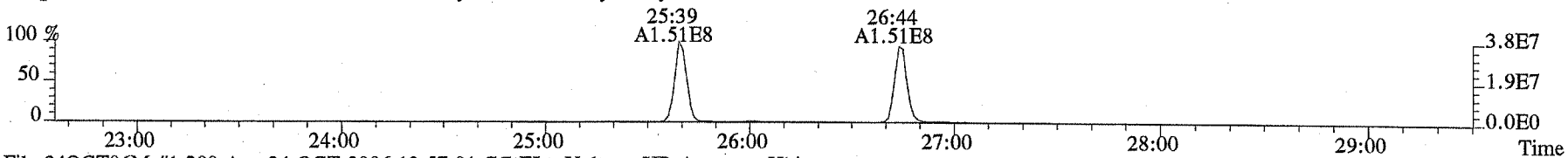
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



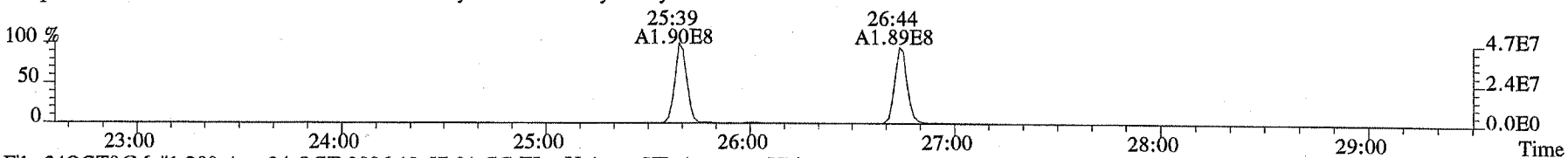
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



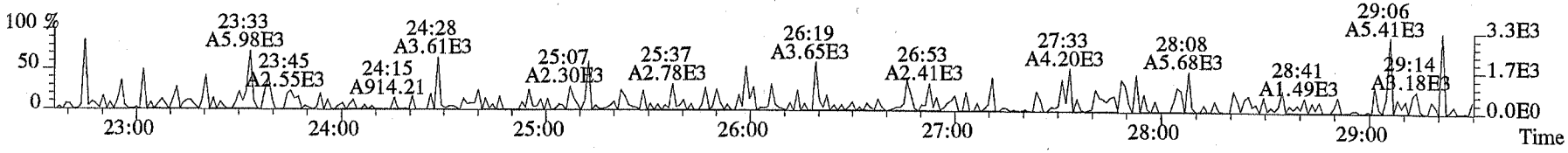
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



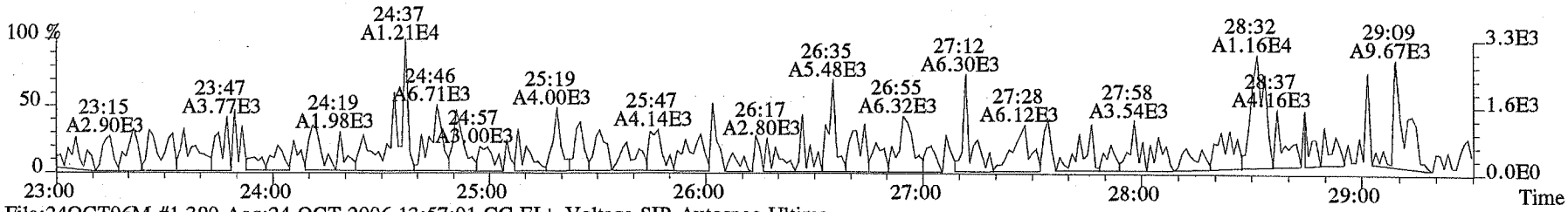
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



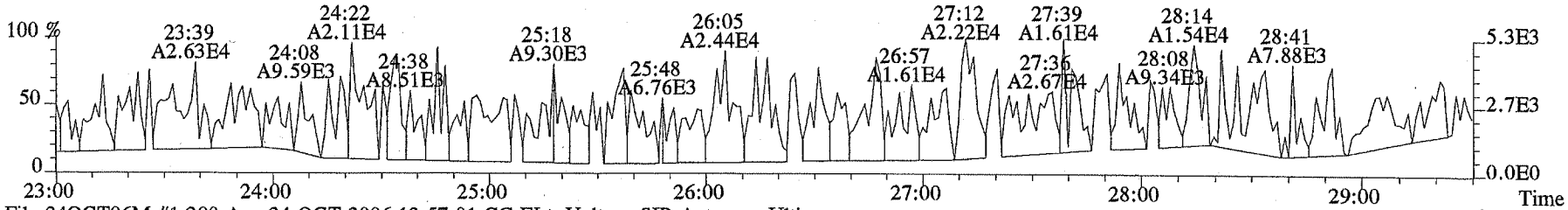
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



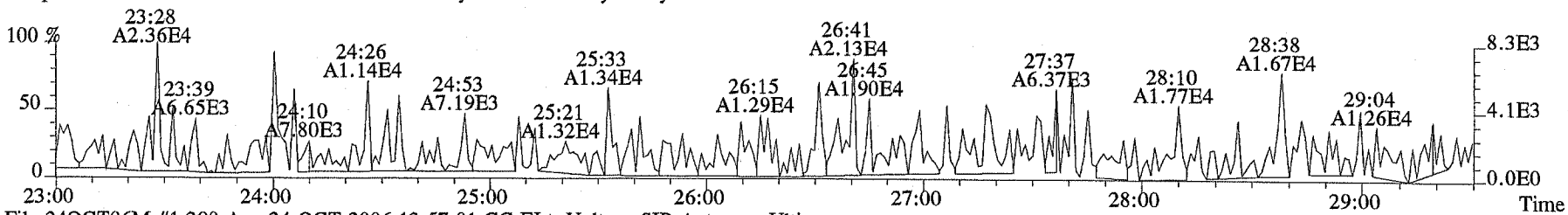
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



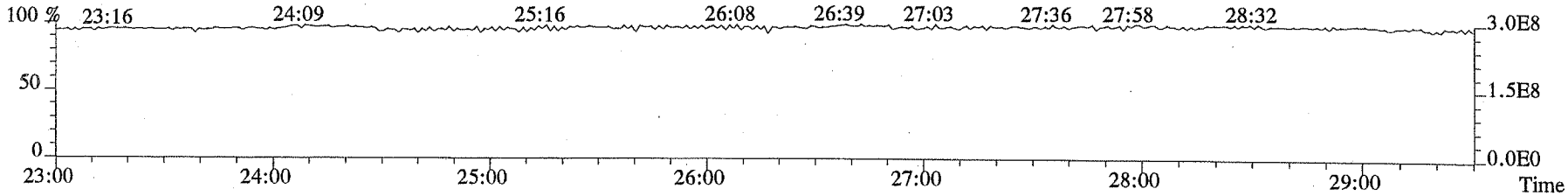
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



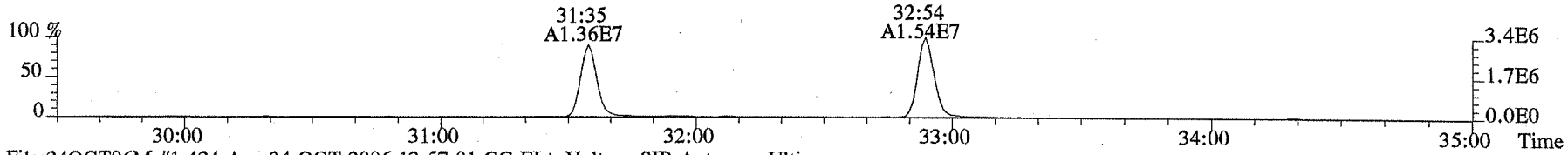
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



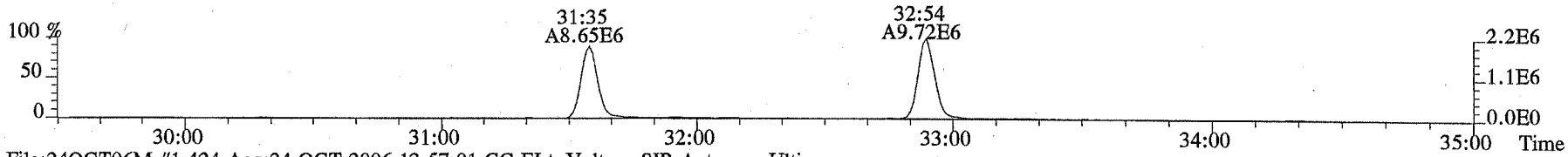
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:4 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



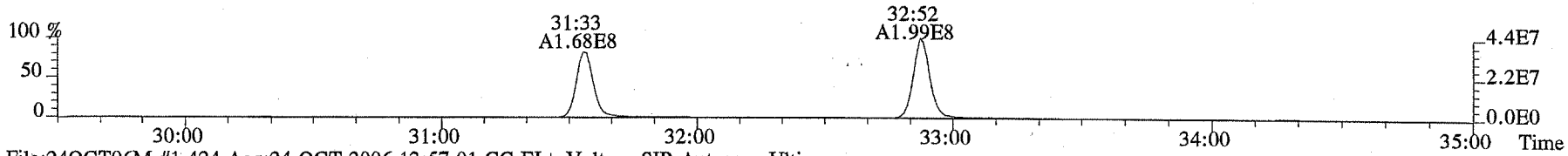
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



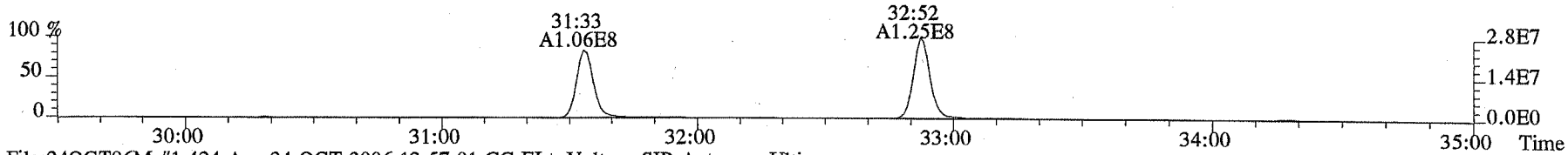
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



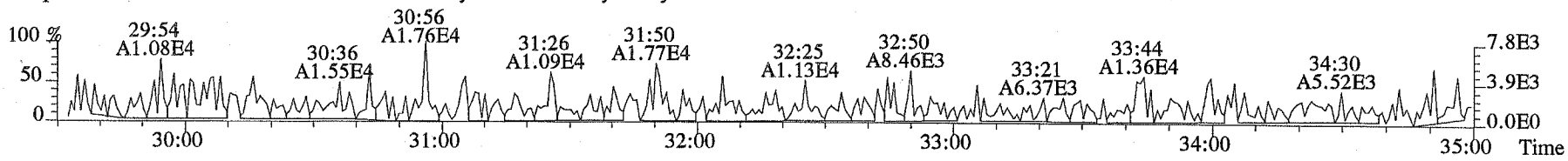
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



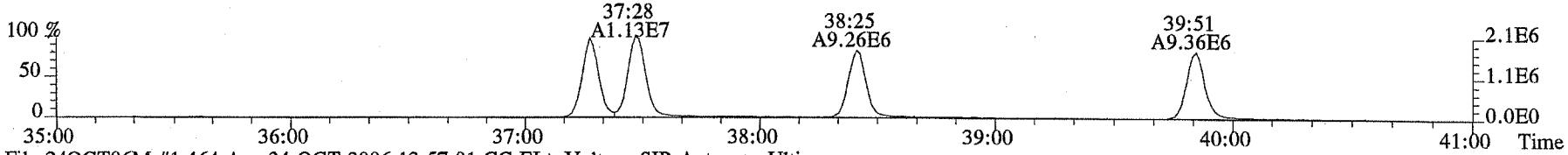
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



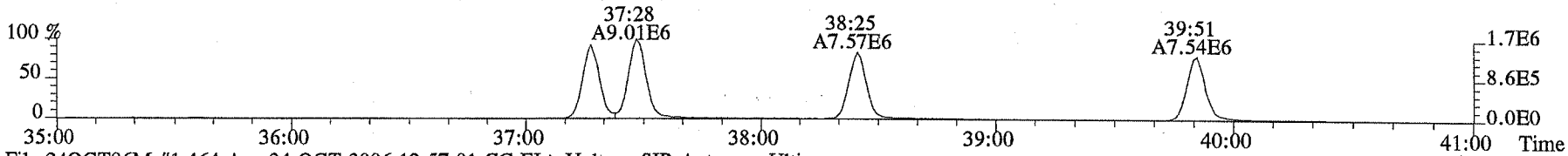
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



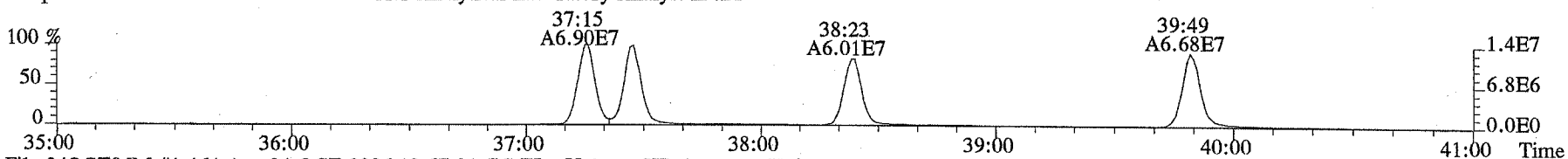
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



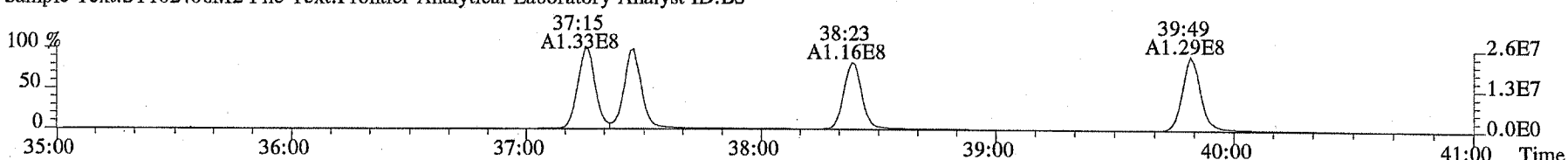
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



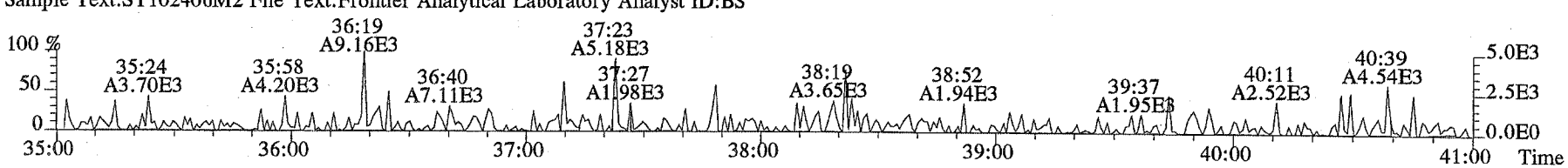
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



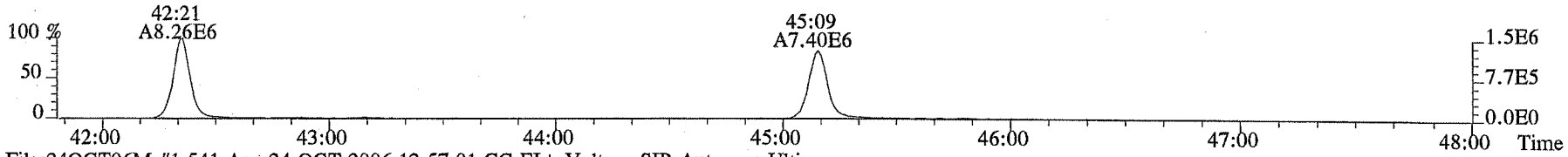
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



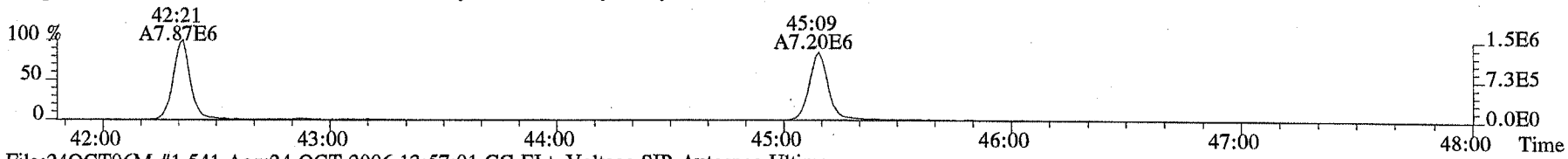
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



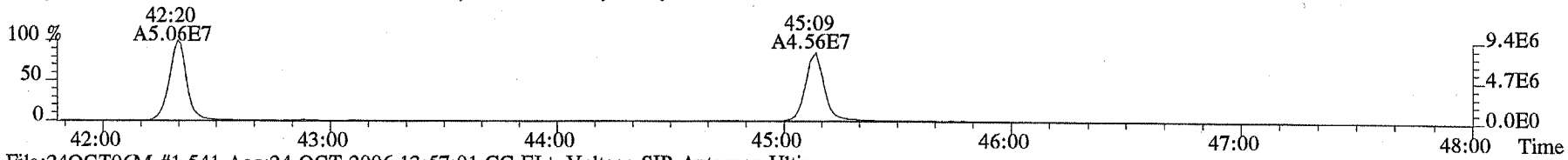
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



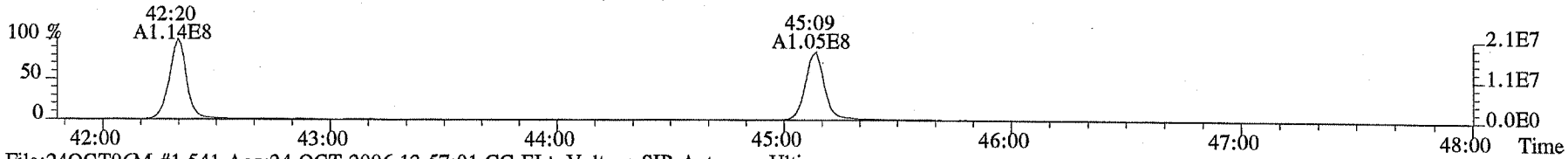
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



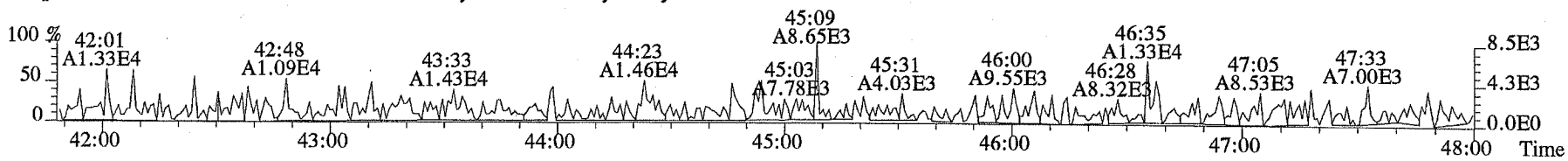
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



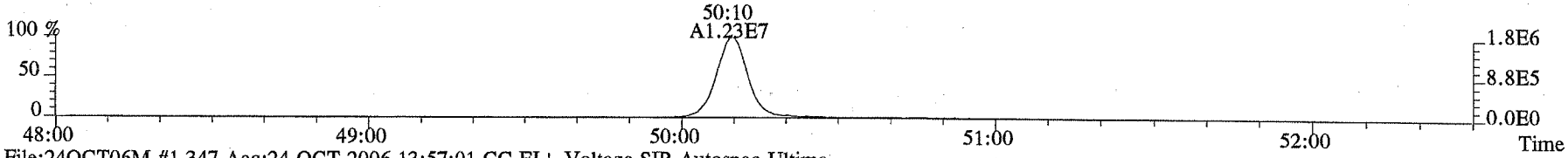
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



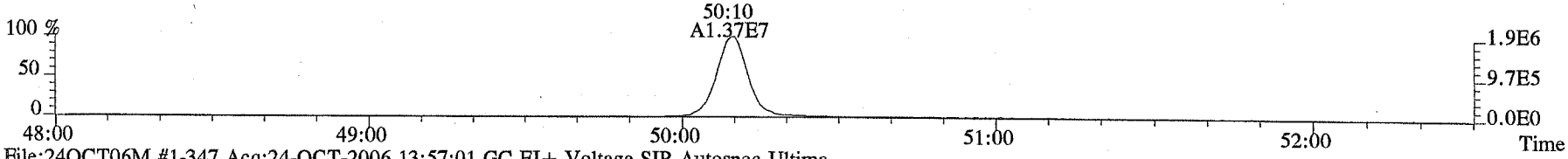
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



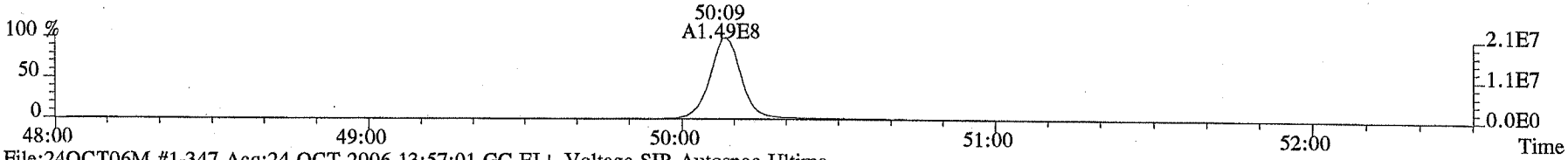
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



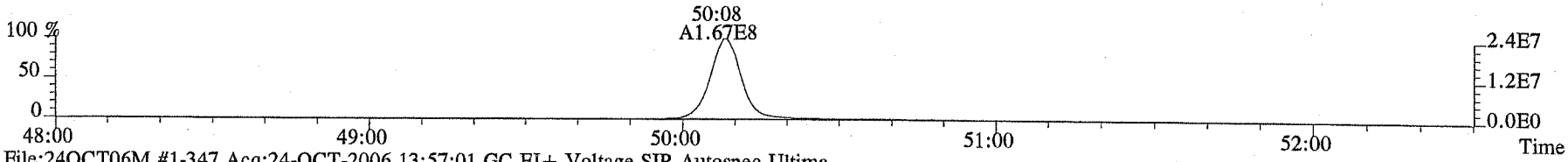
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



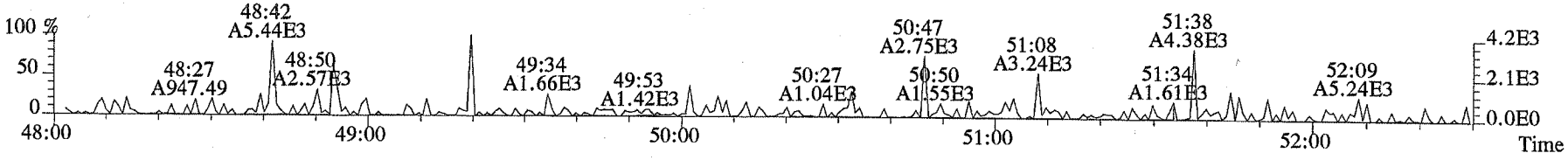
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



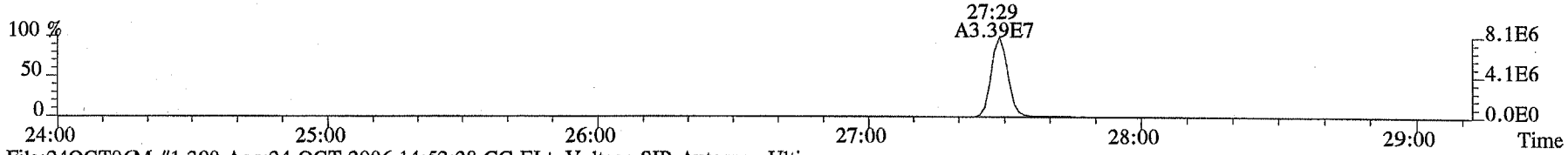
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



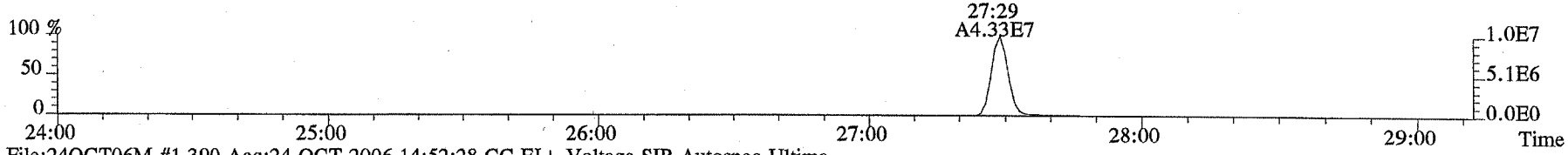
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



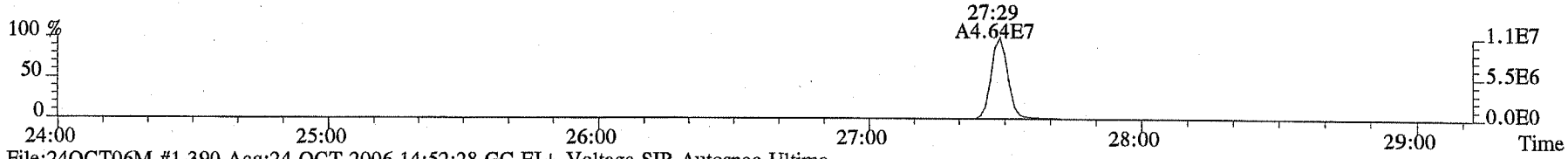
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



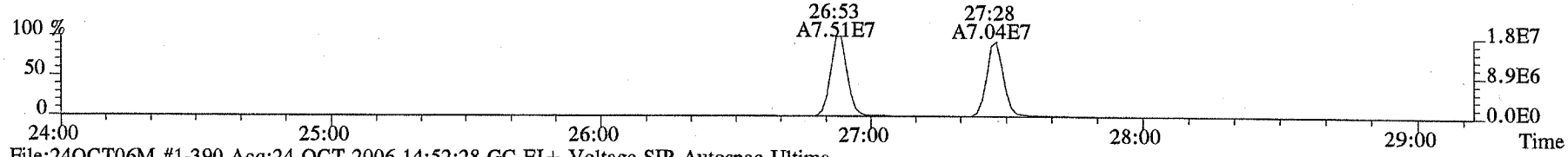
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



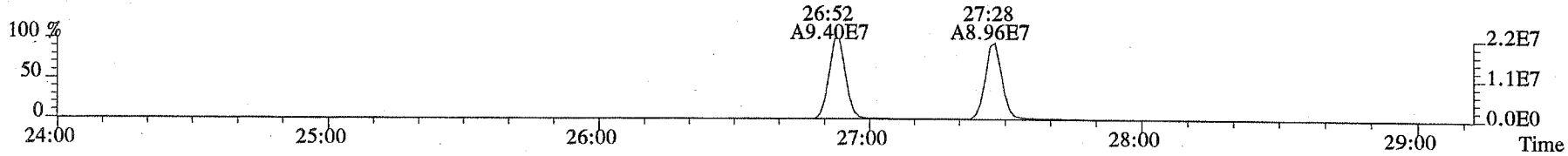
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



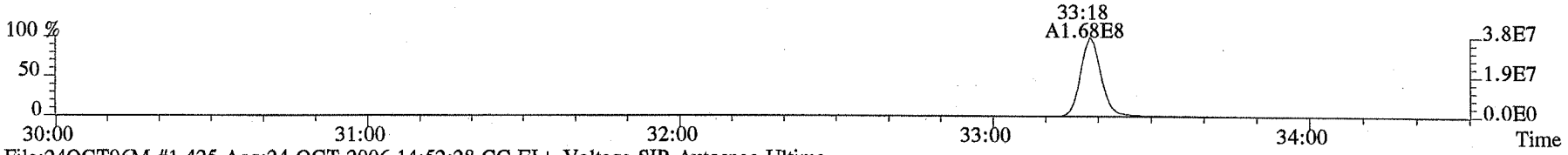
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



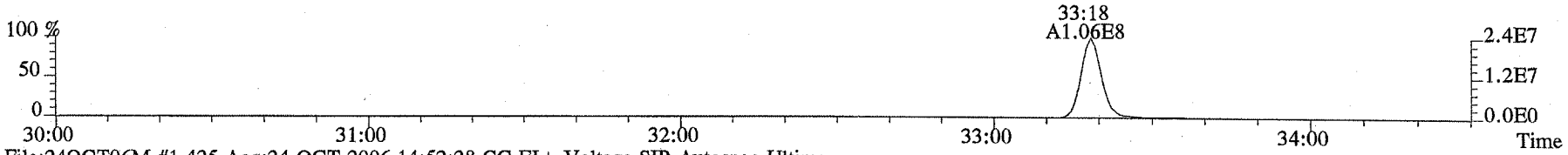
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



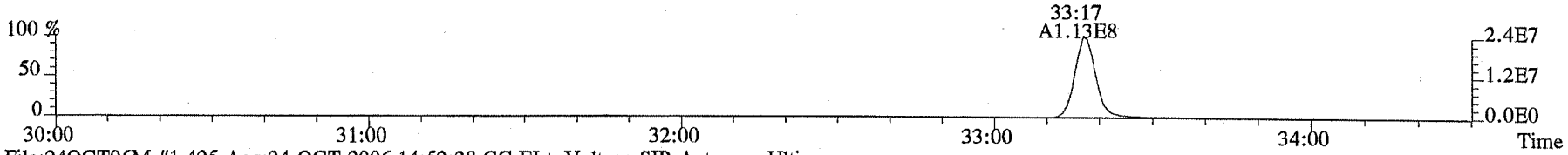
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



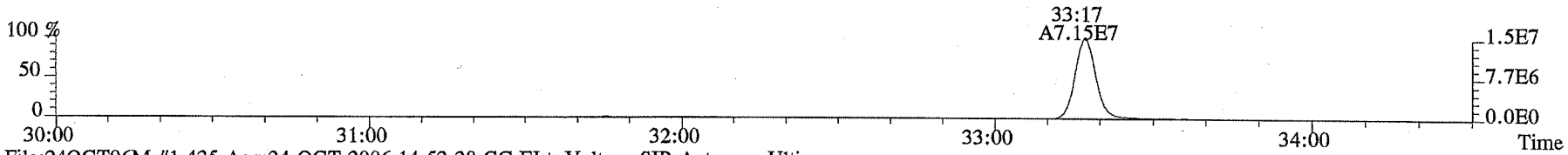
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



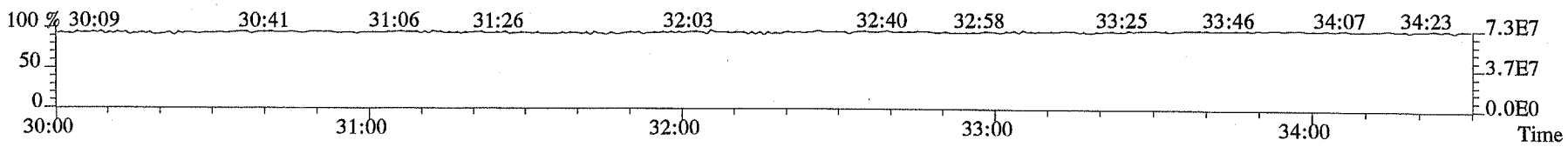
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



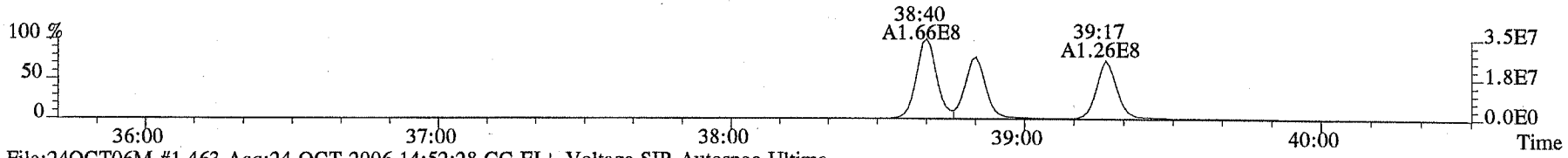
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



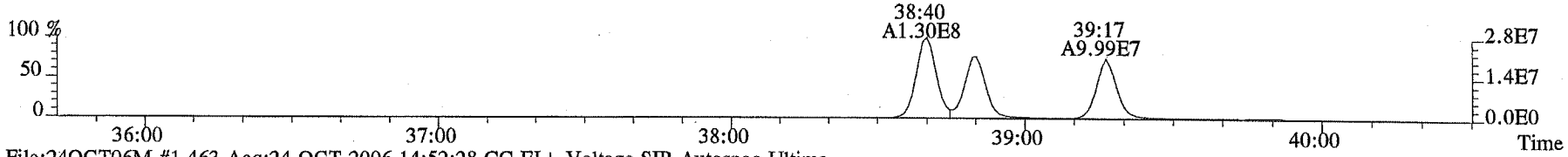
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



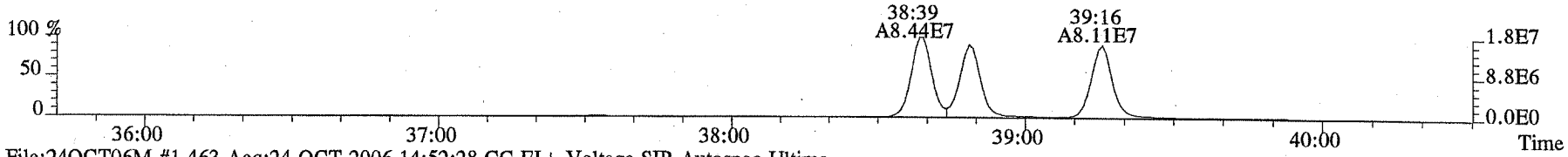
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



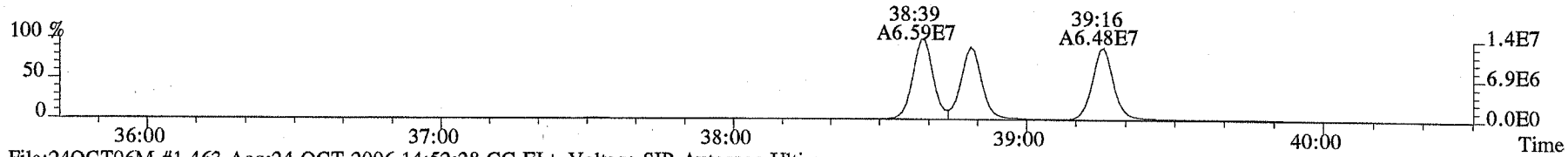
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



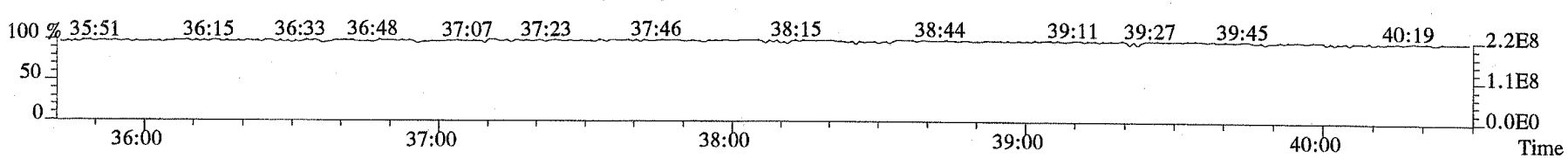
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



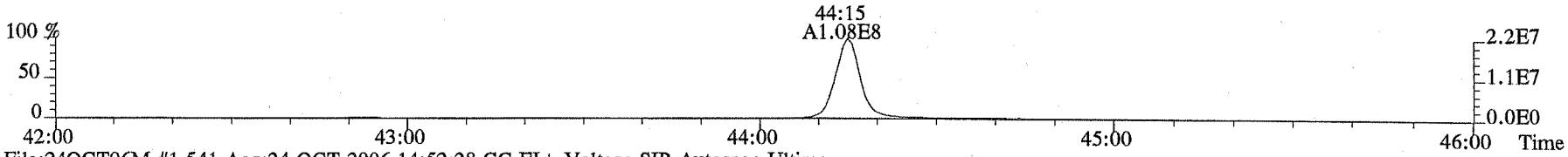
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



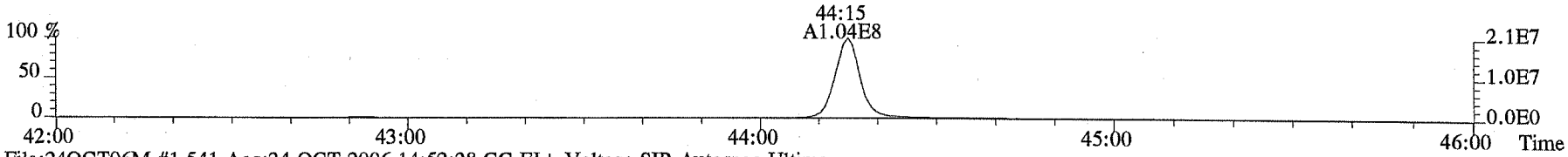
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:5 F:3 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



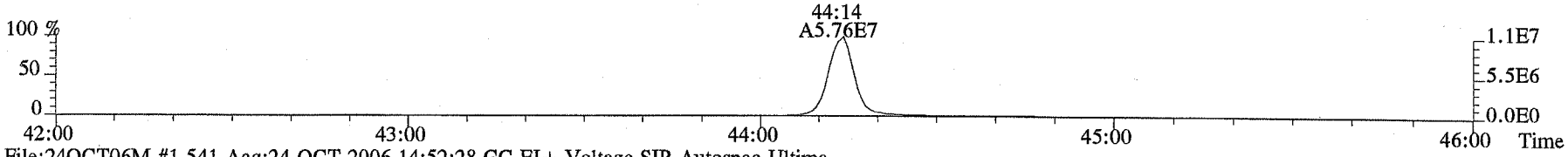
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



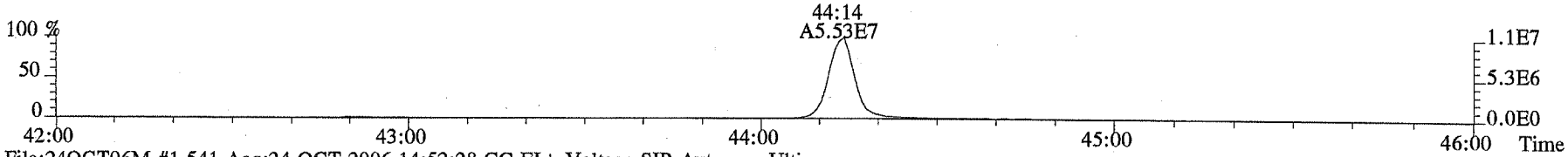
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



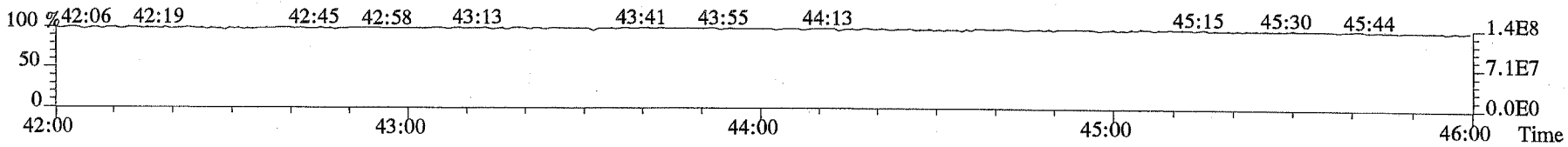
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



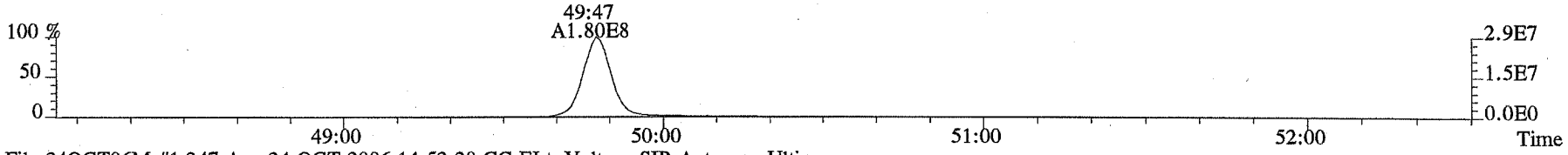
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



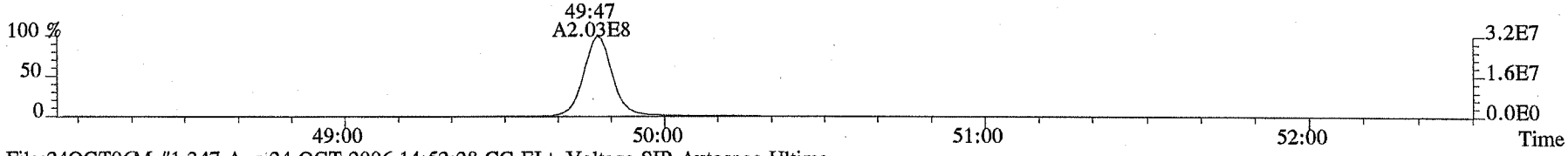
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



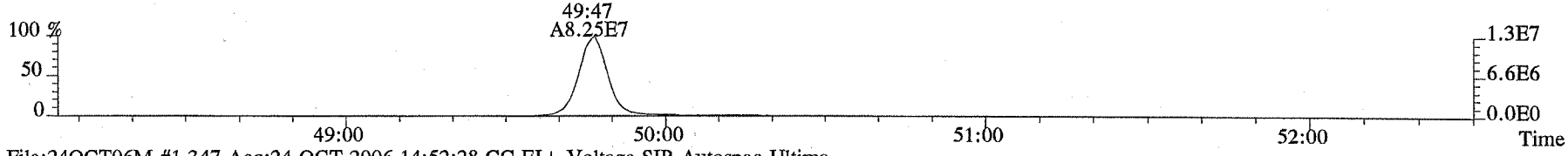
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



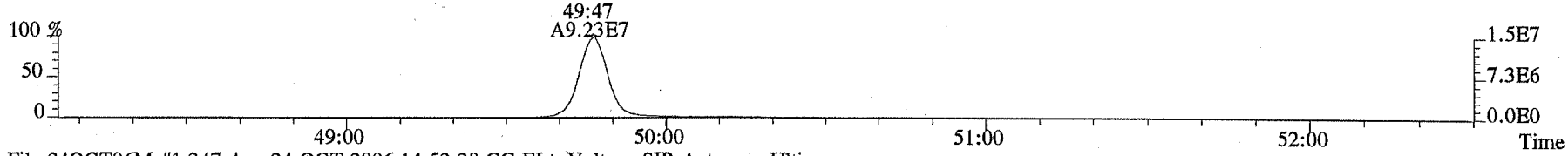
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



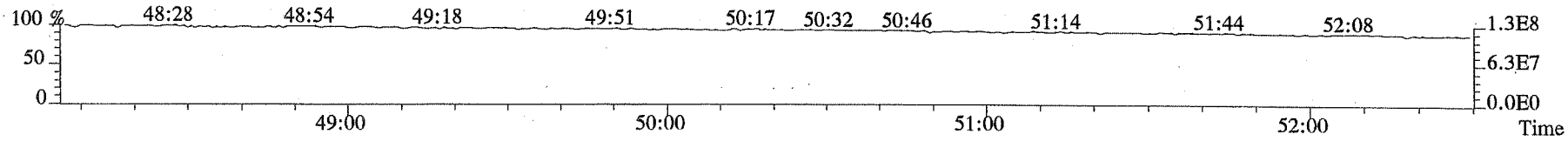
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



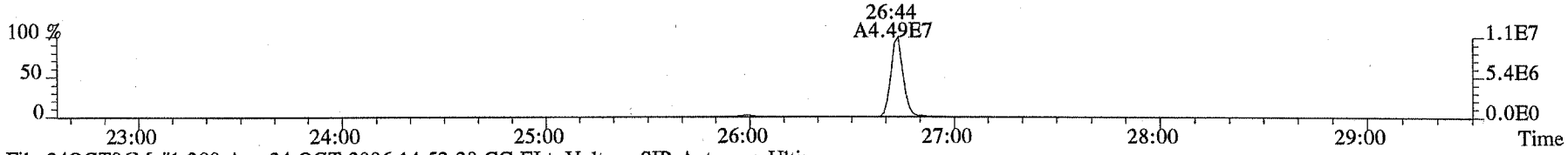
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



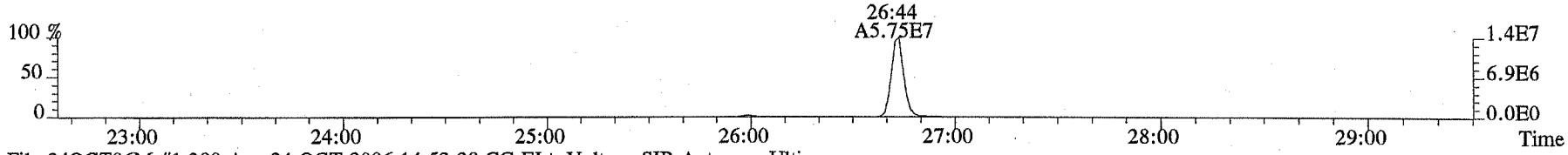
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



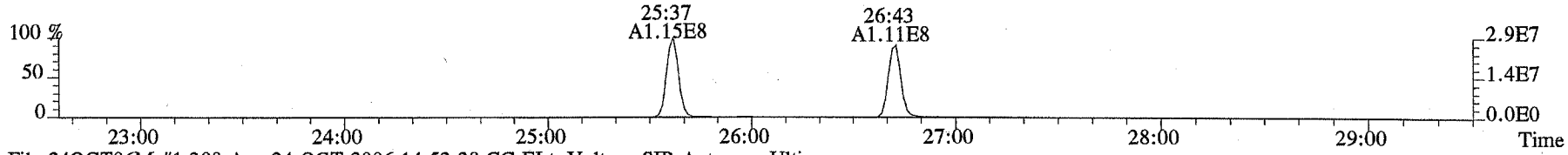
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



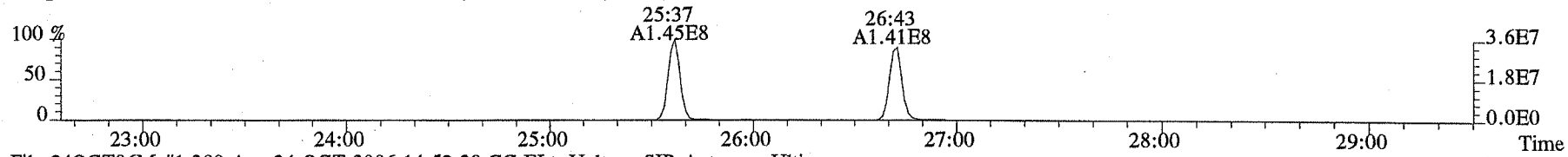
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



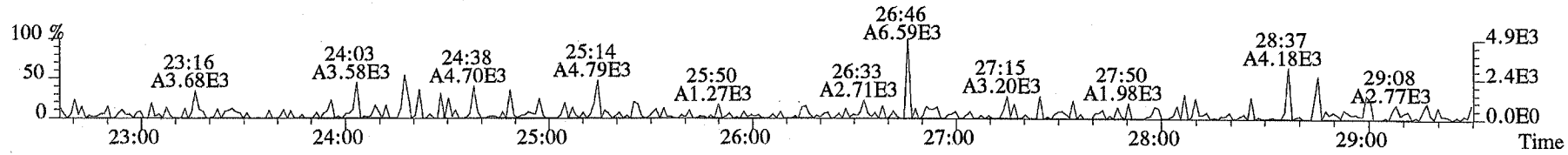
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



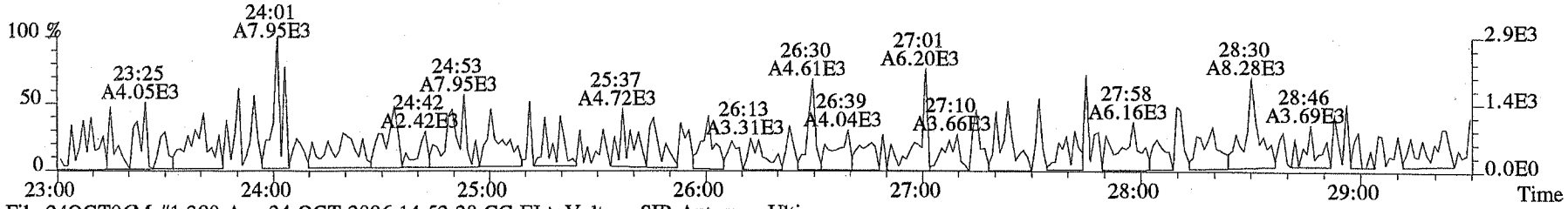
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



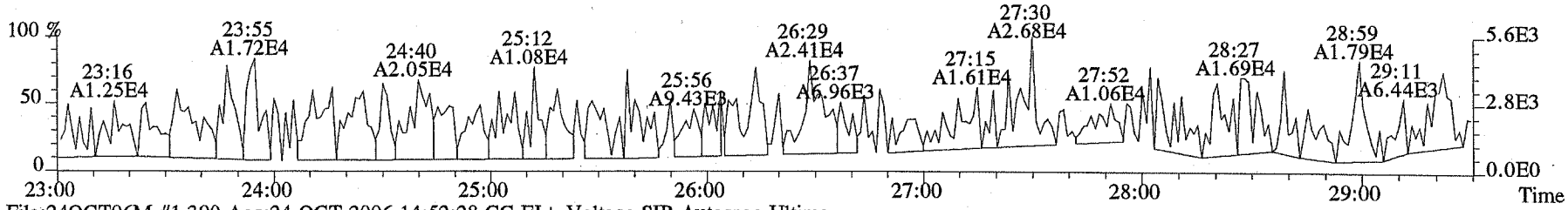
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



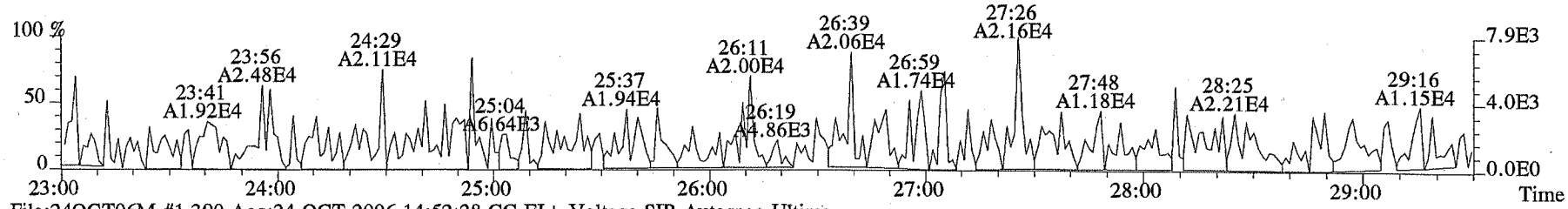
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



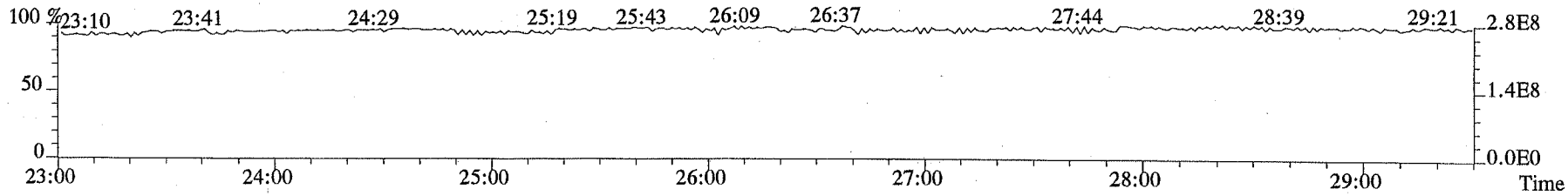
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



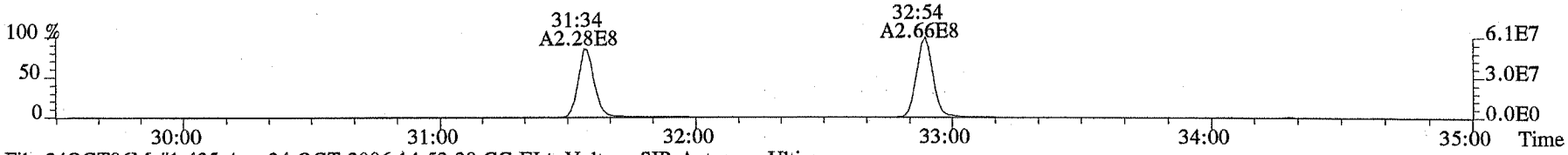
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



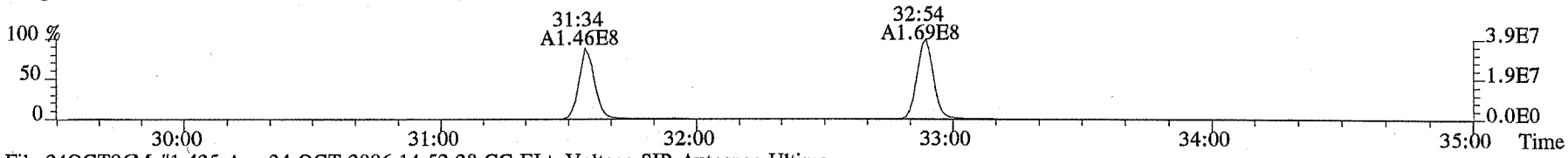
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:5 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



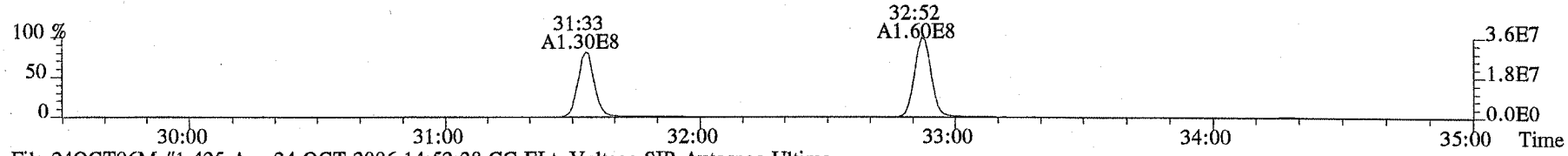
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



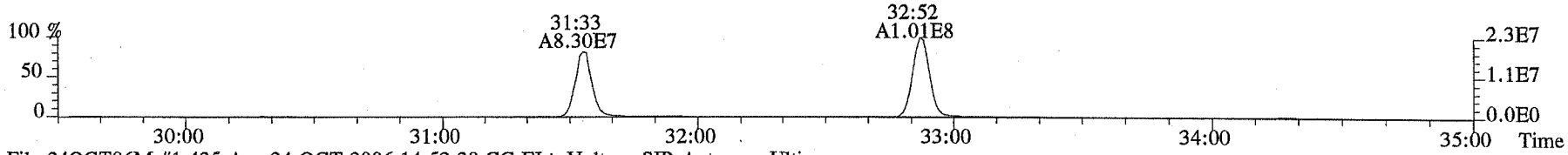
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



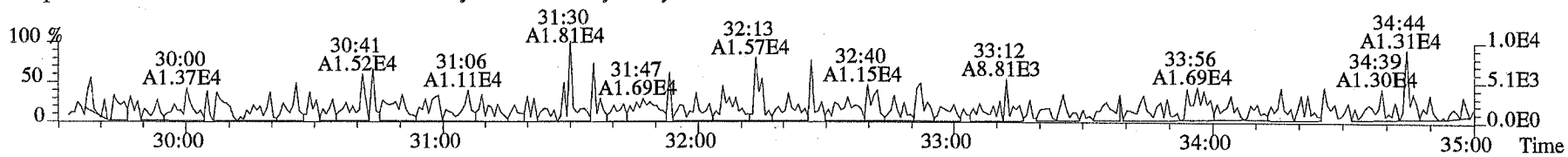
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



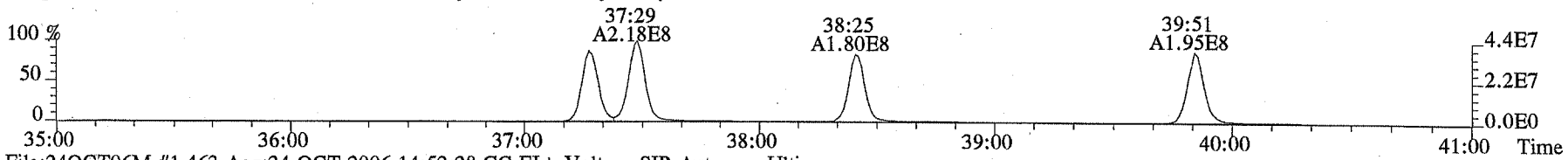
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



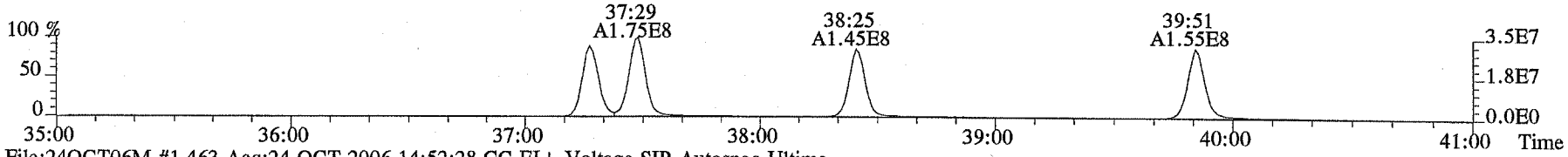
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



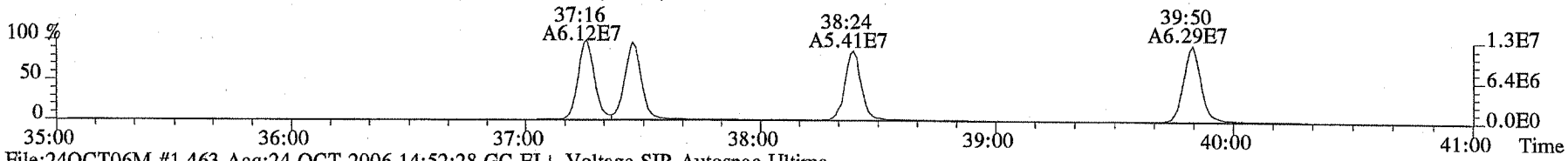
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



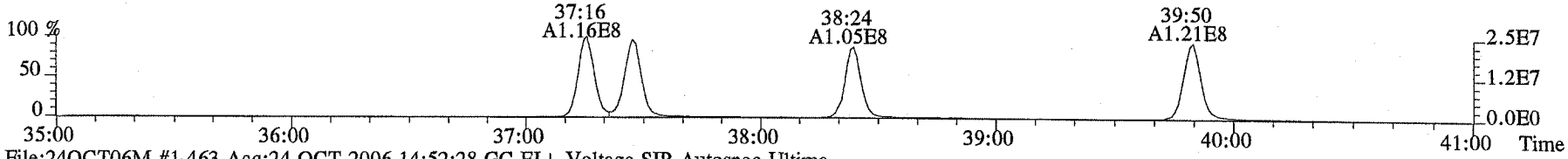
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



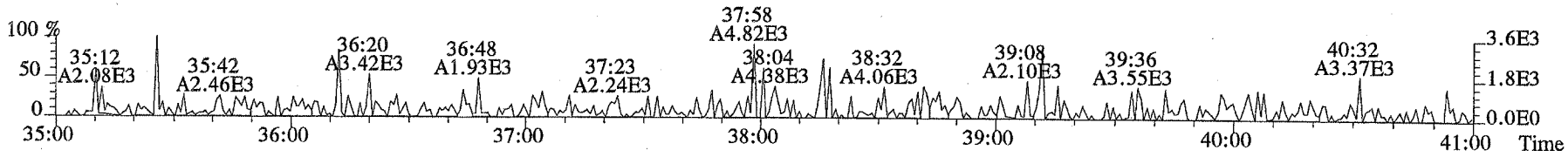
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



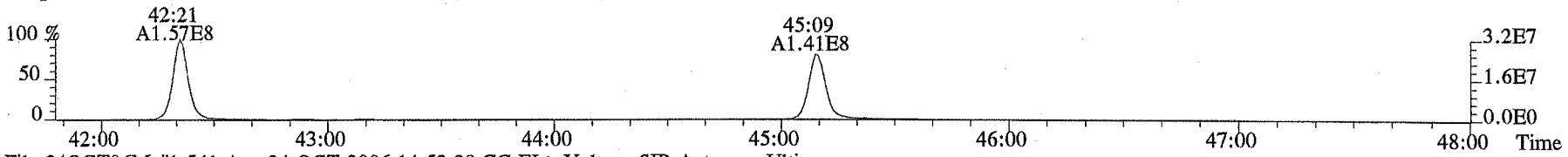
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



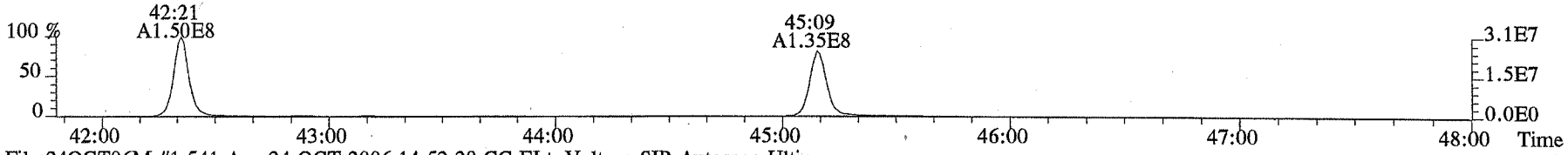
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



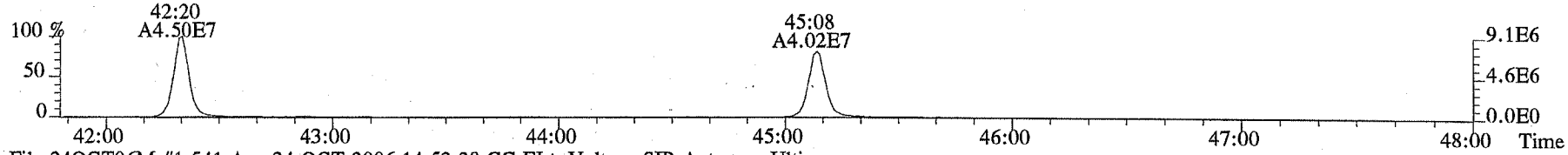
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



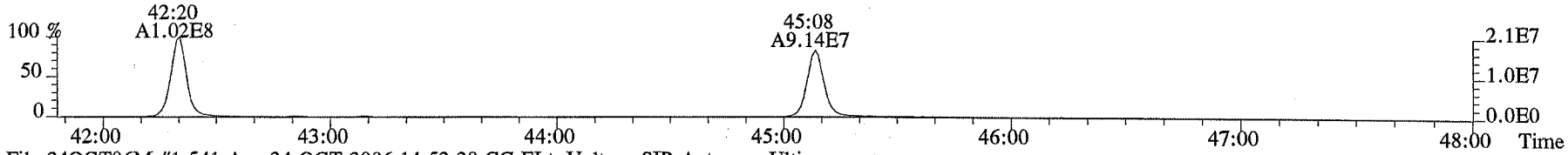
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



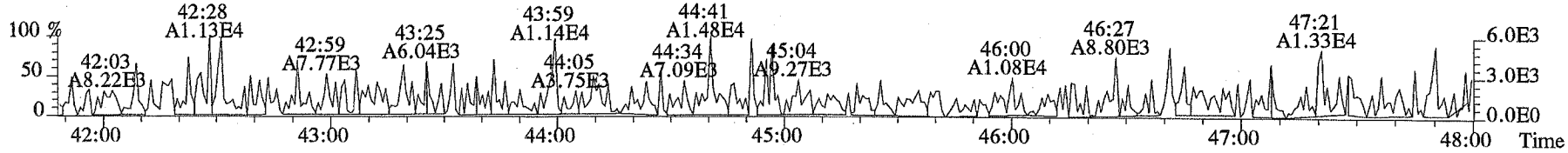
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



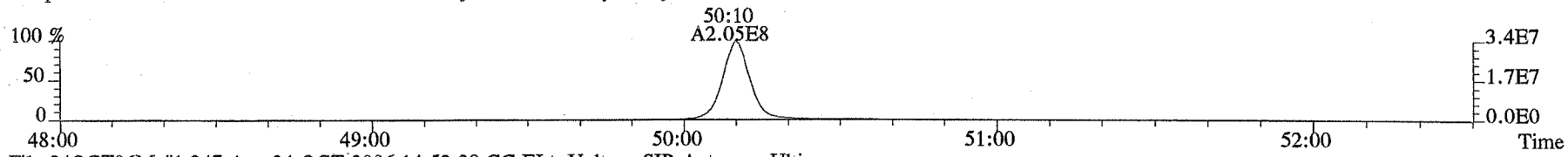
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



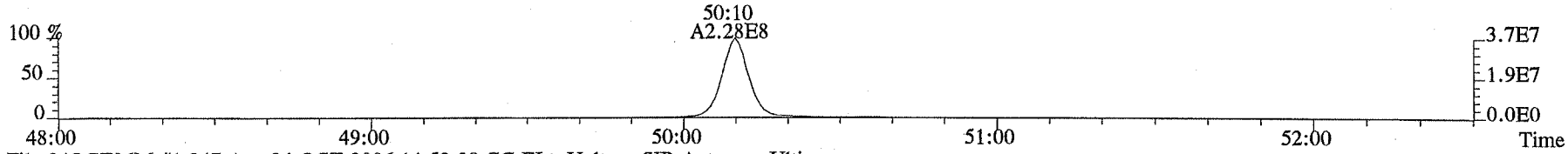
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



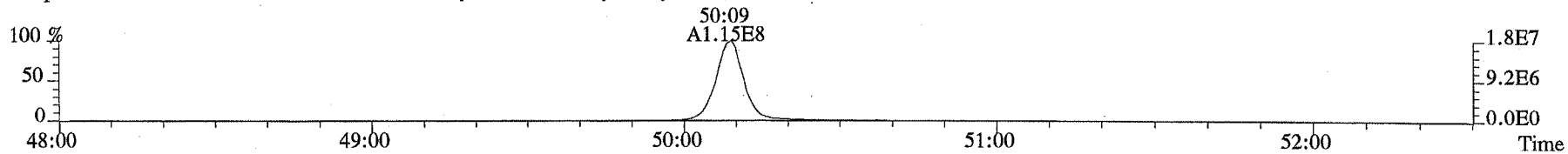
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



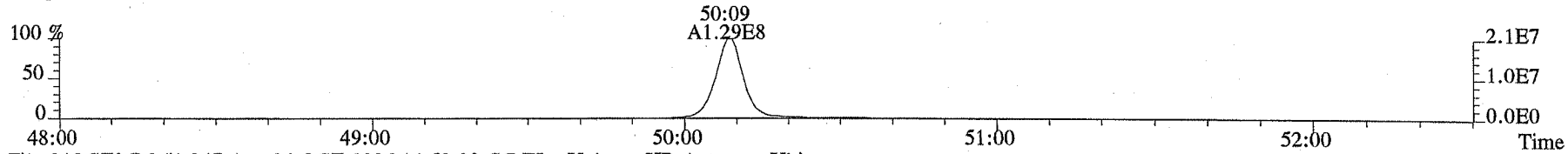
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



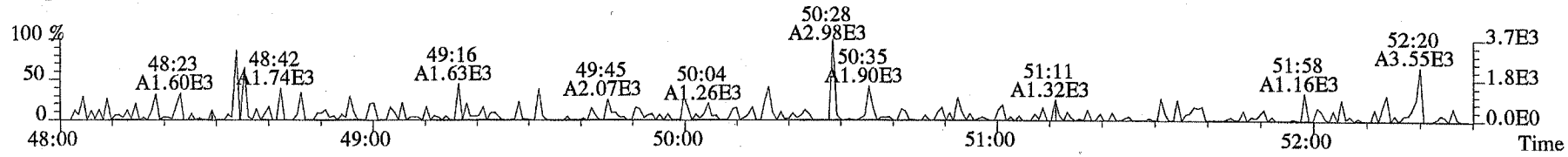
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



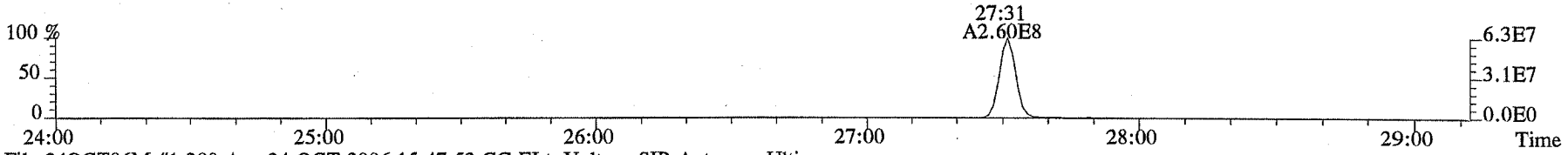
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



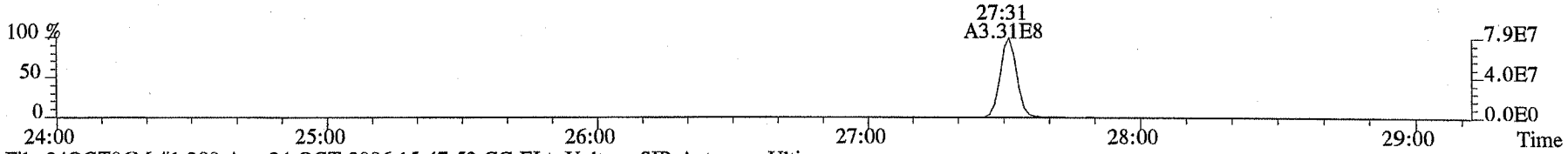
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



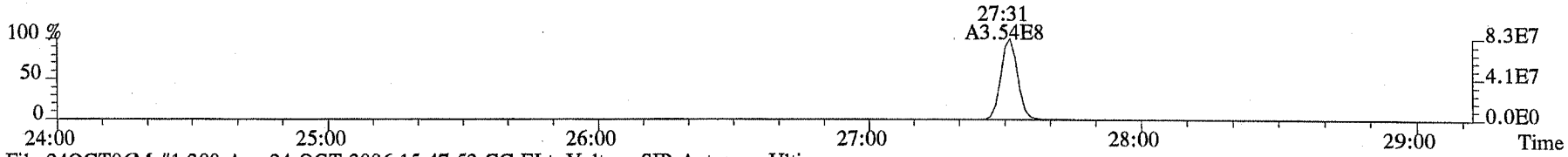
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



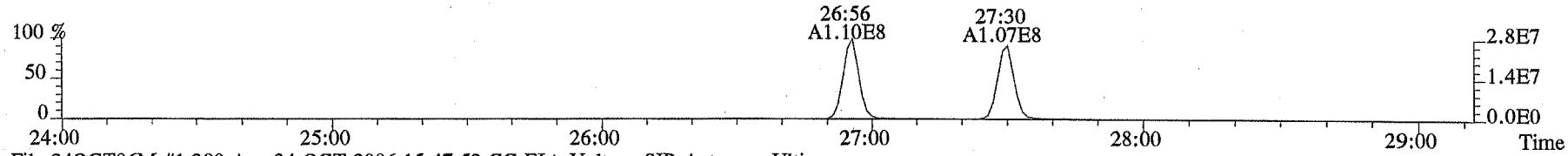
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



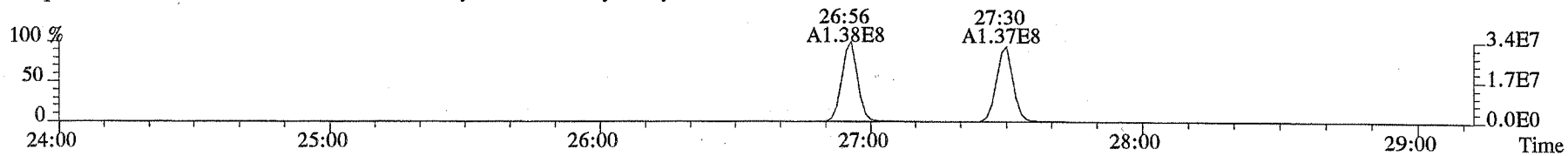
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



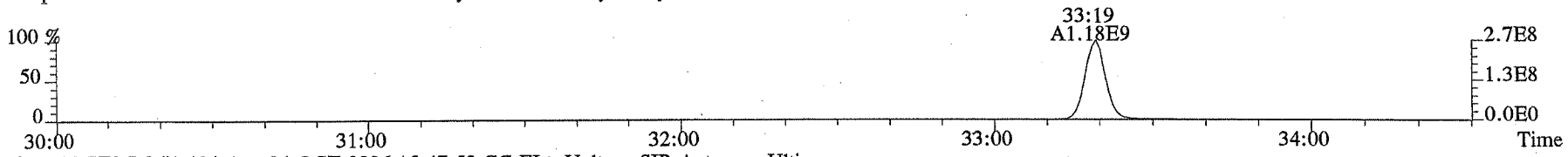
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



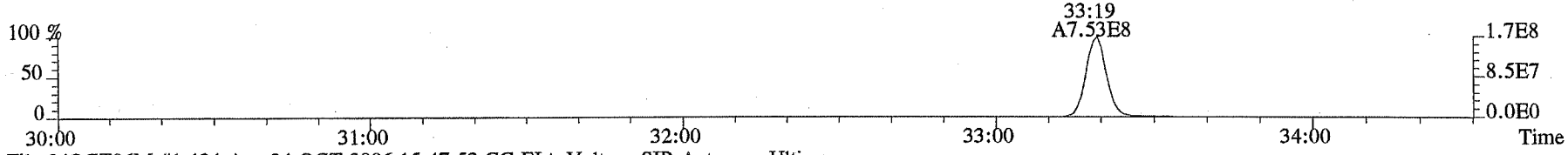
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



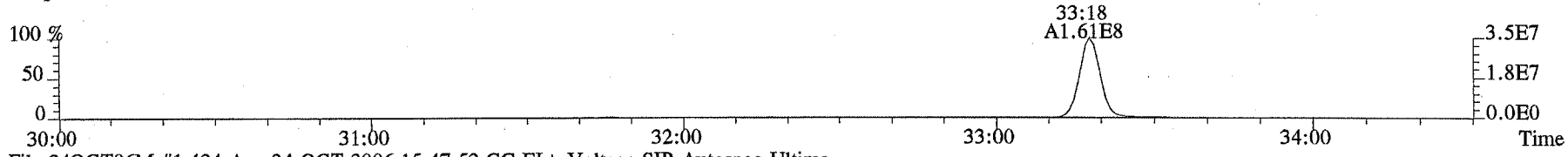
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



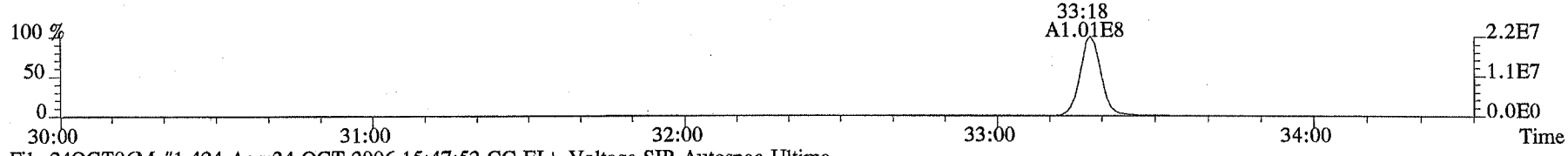
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



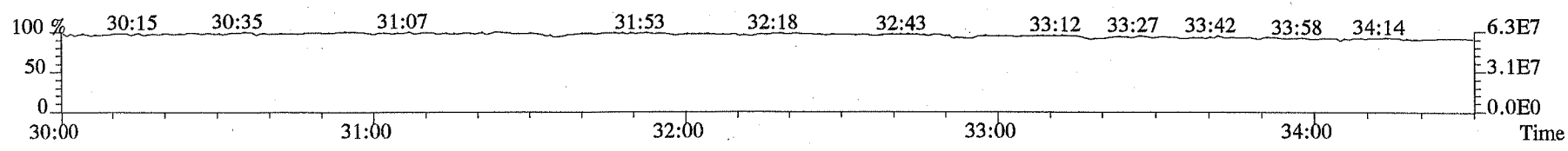
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



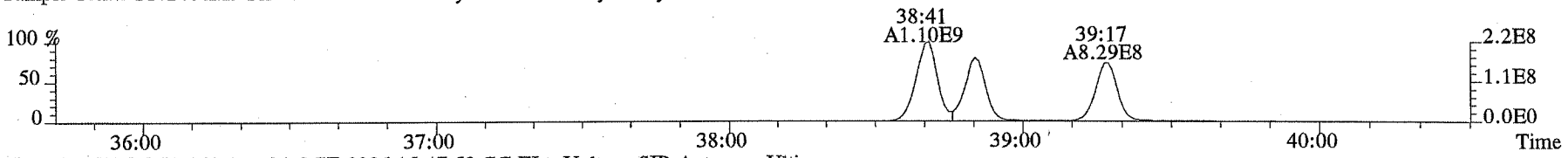
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



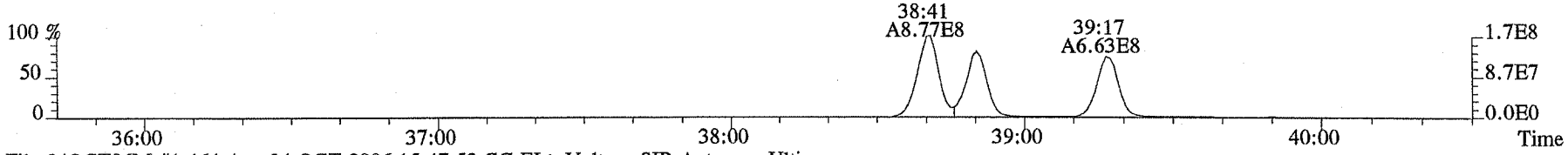
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:6 F:2 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



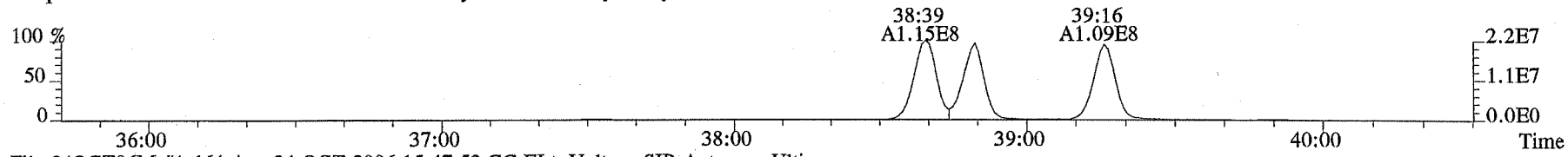
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



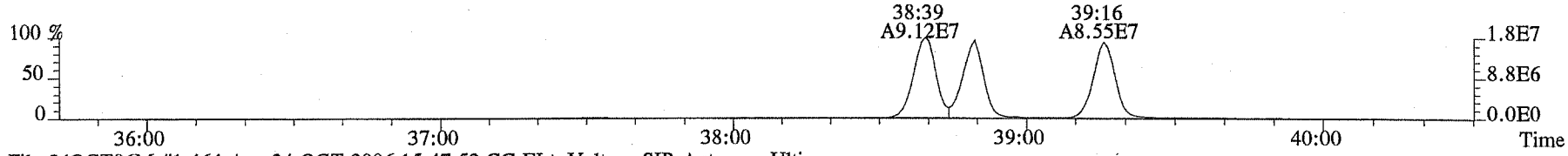
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



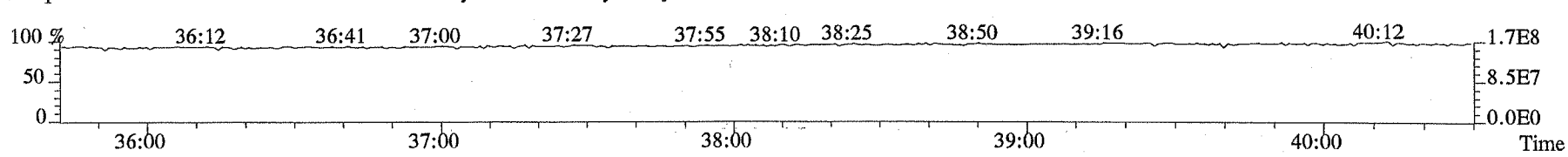
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



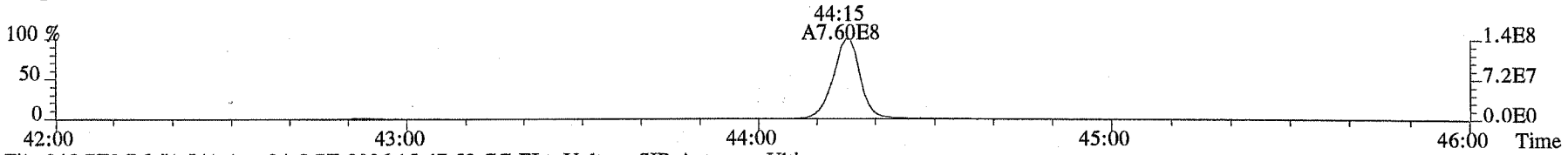
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



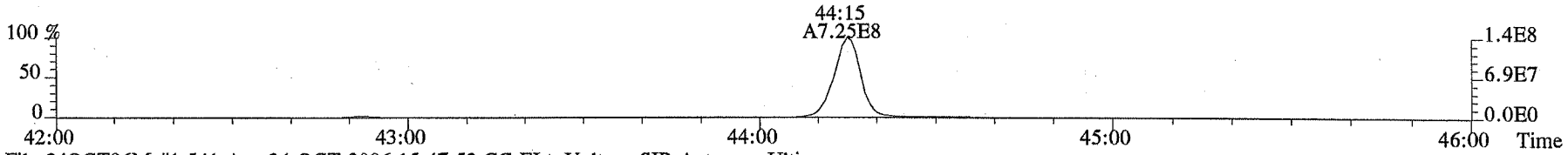
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:6 F:3 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



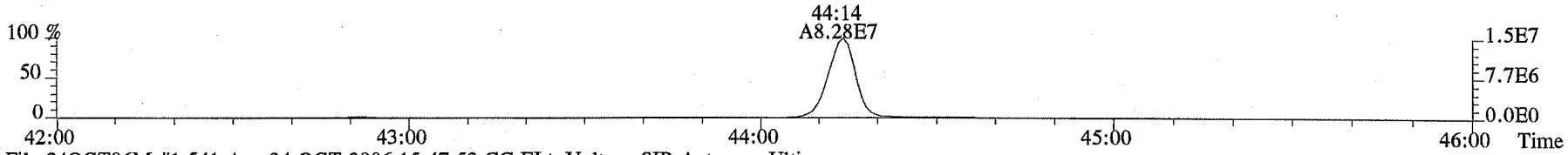
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



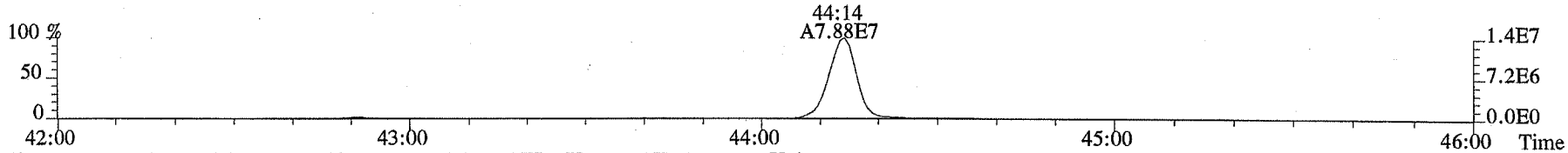
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



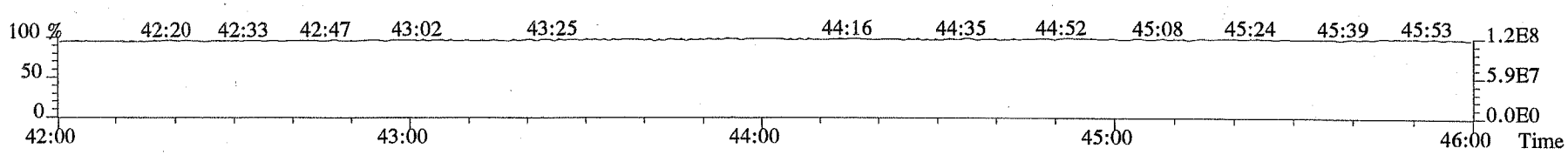
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



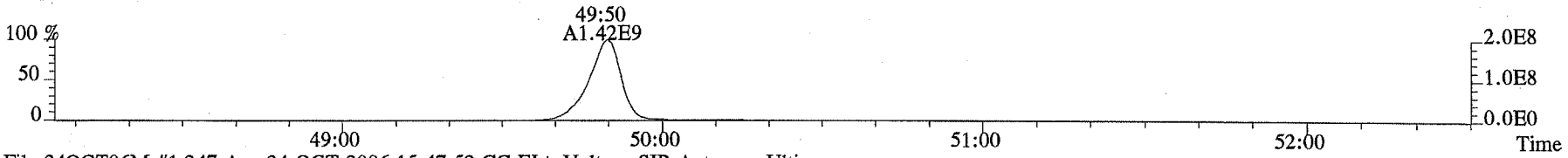
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



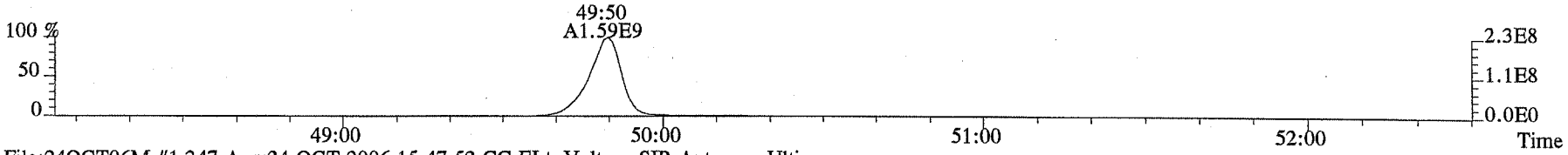
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:6 F:4 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



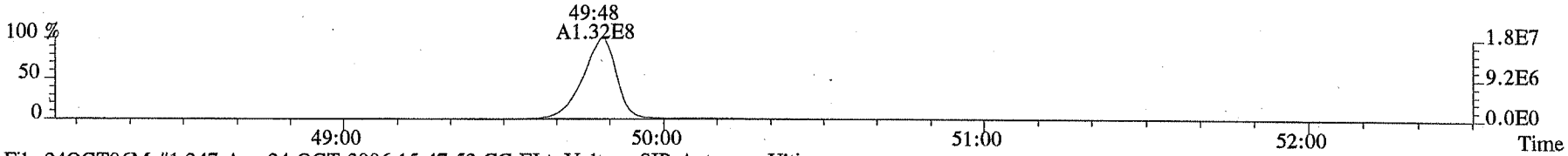
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



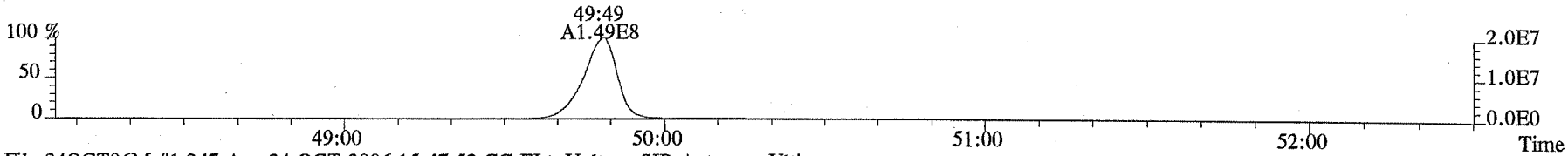
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



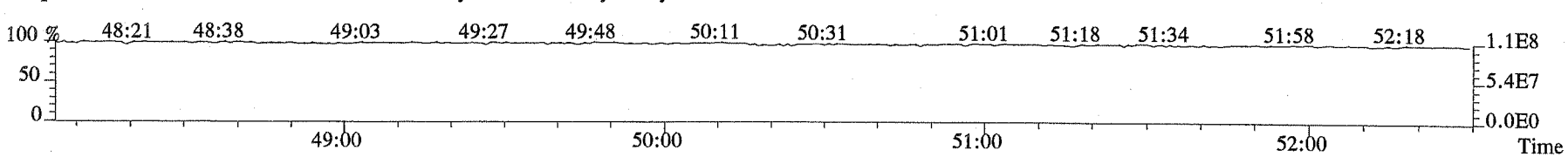
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



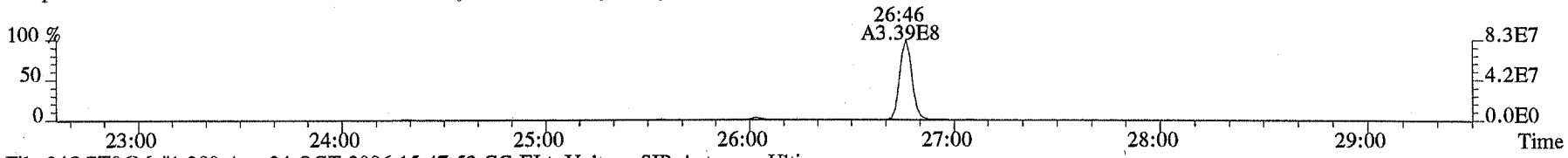
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



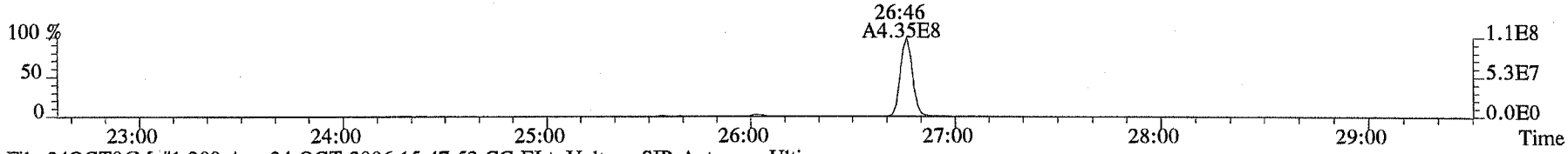
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:6 F:5 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



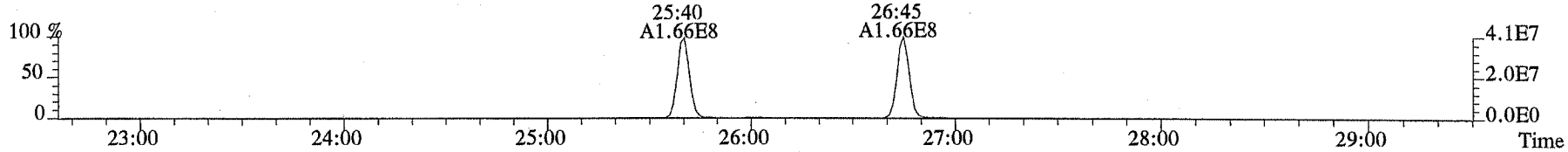
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



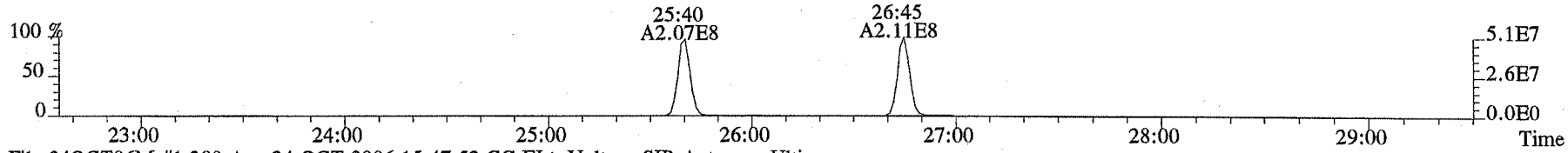
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



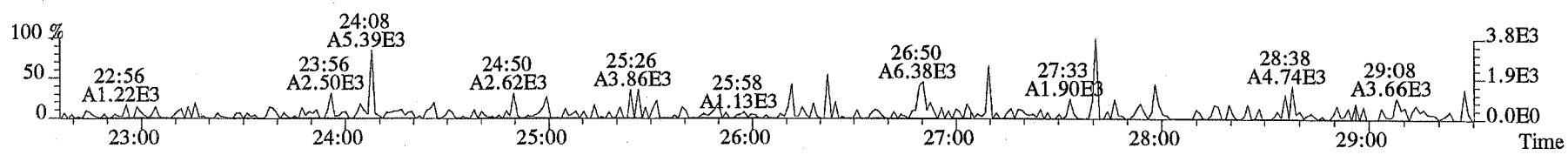
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



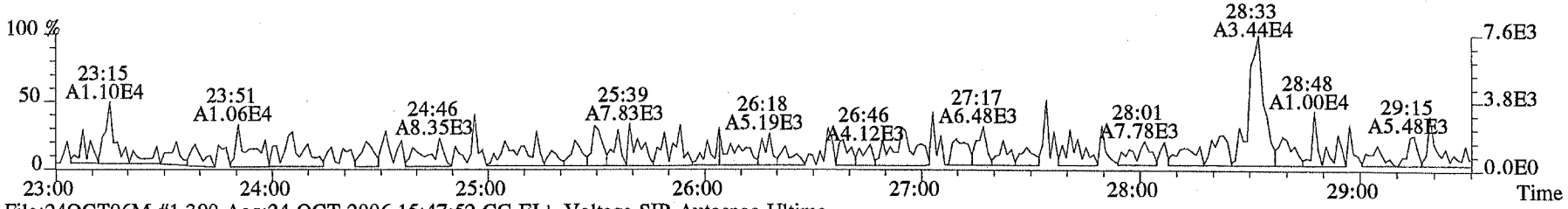
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



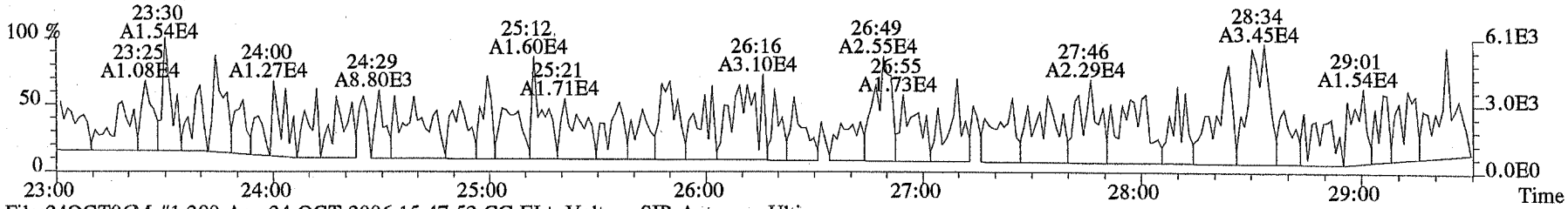
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



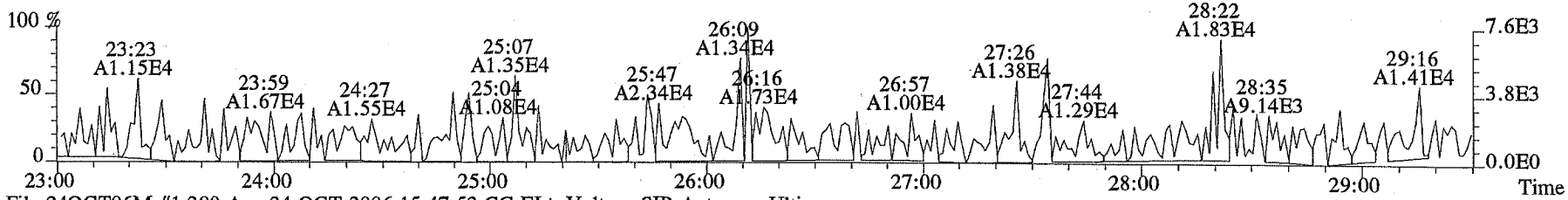
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



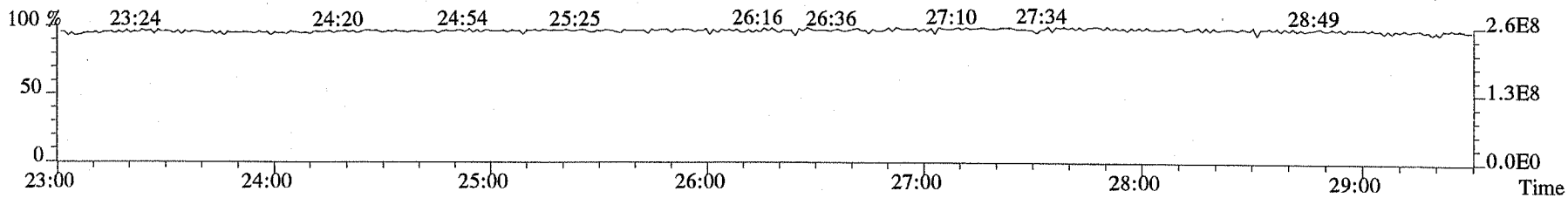
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



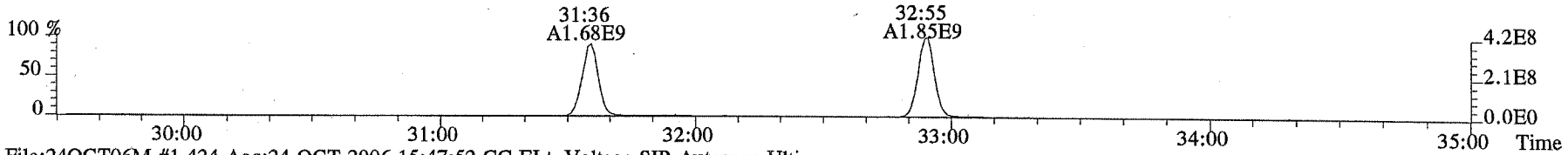
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



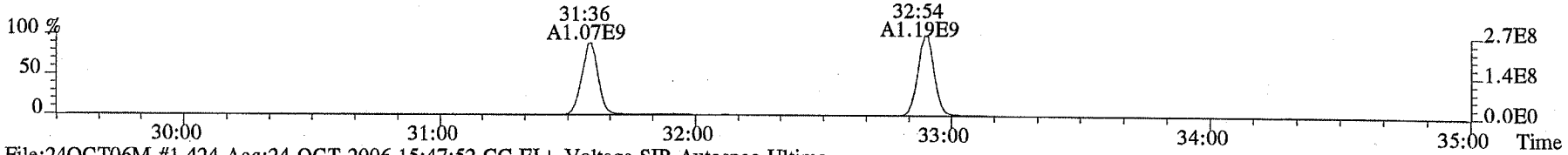
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:6 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



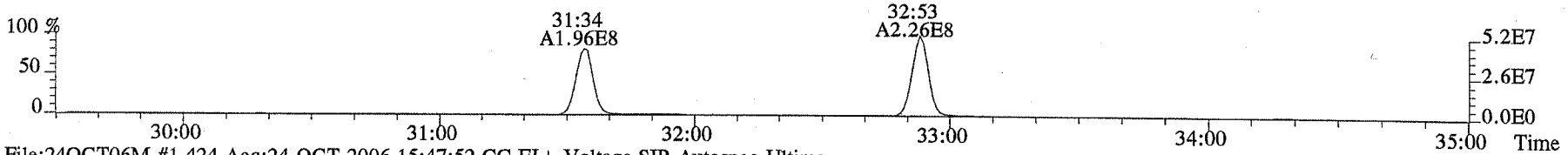
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



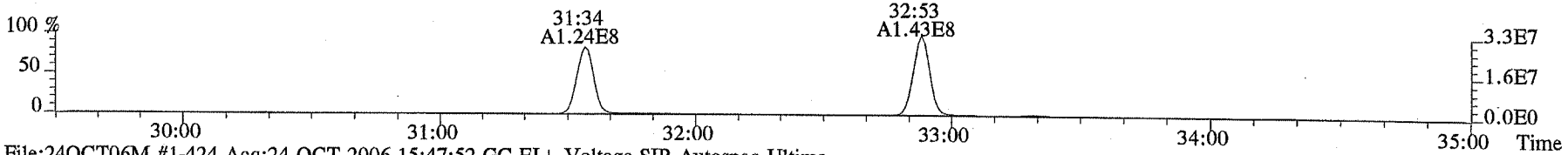
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



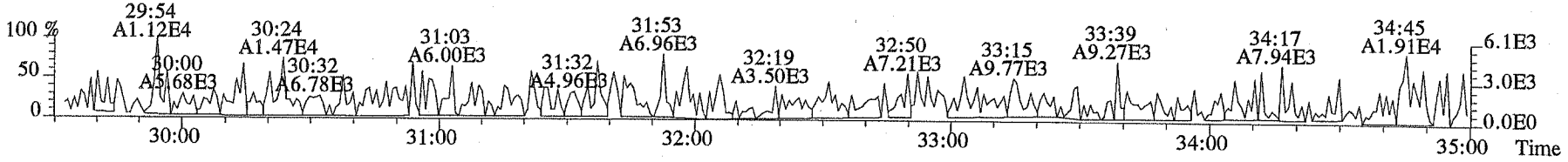
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



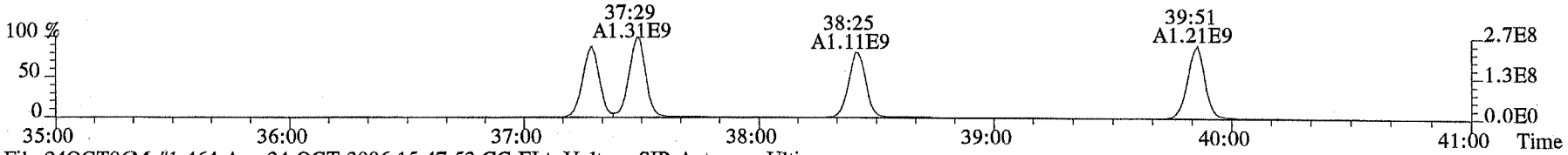
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



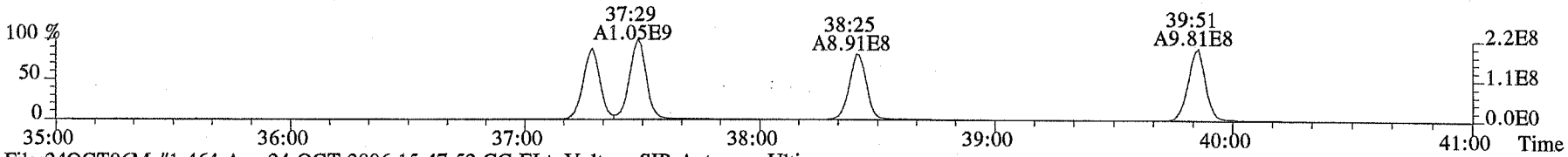
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



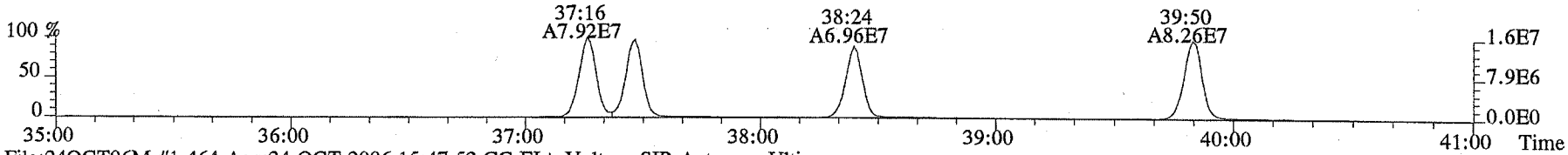
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



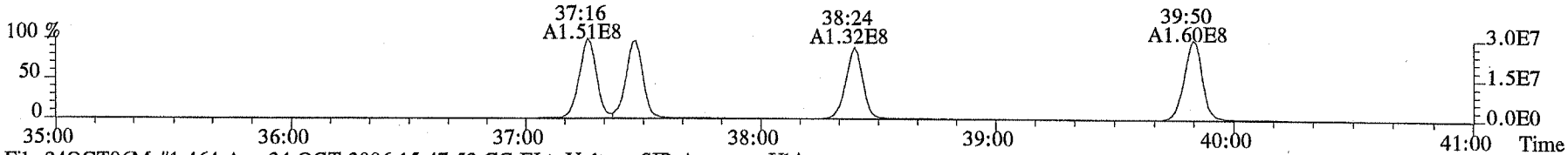
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



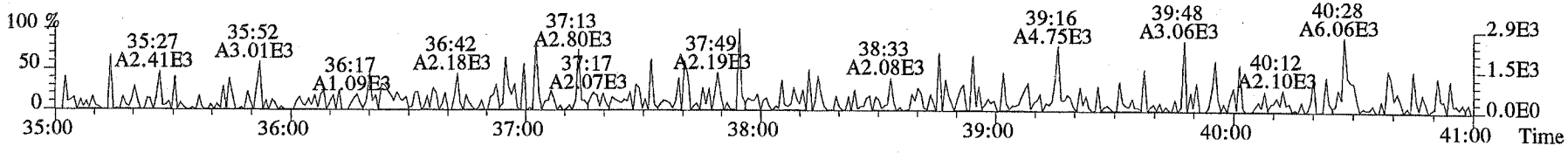
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



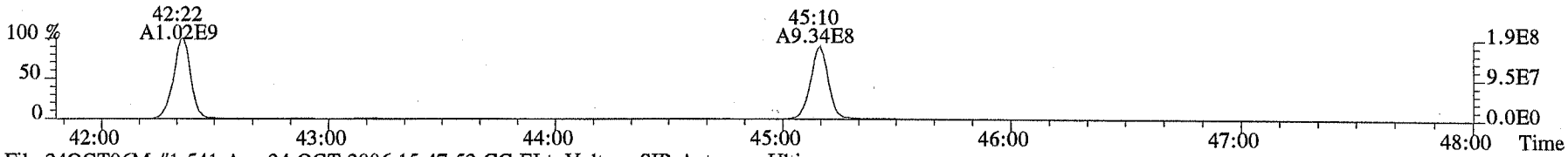
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



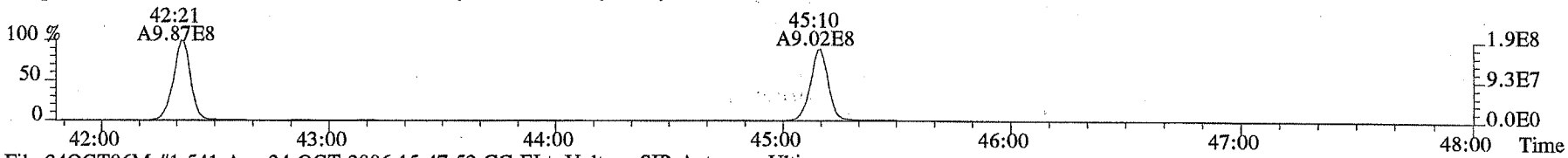
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



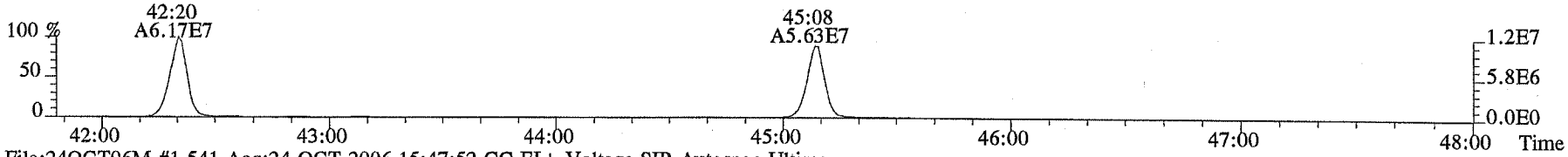
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



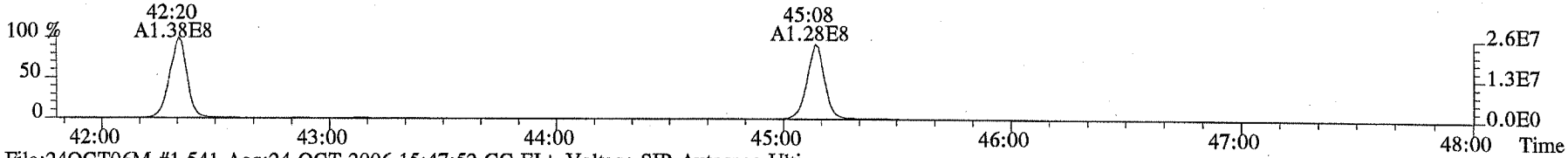
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



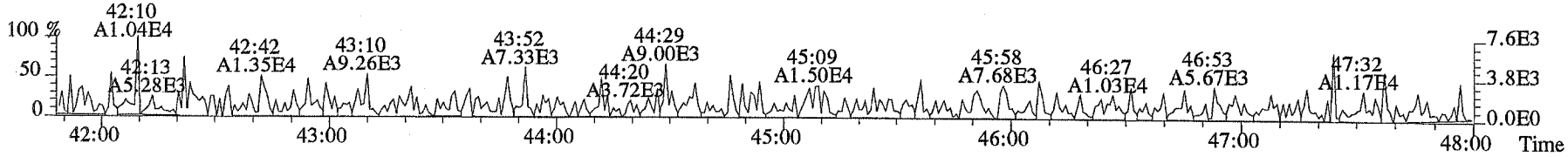
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



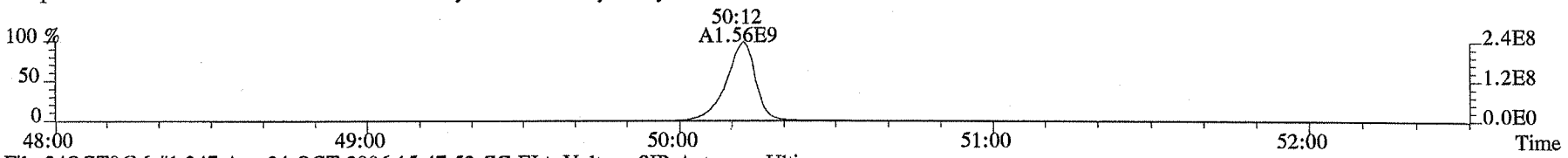
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



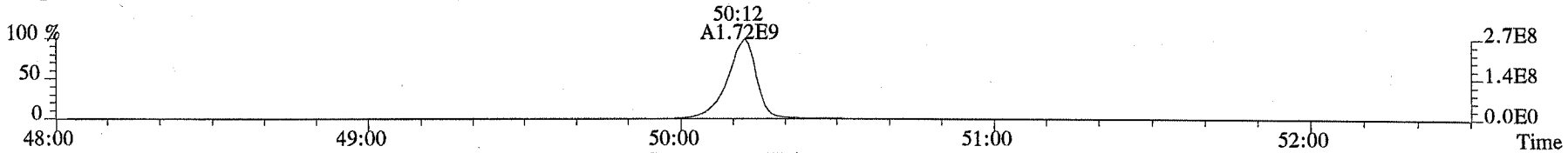
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



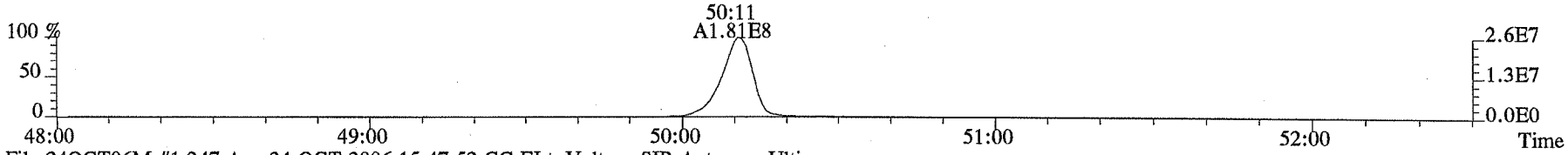
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



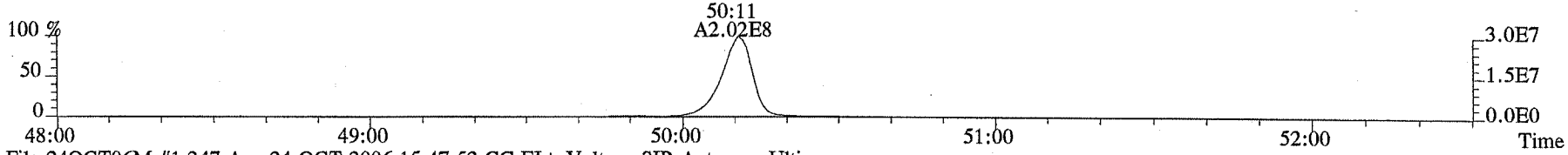
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



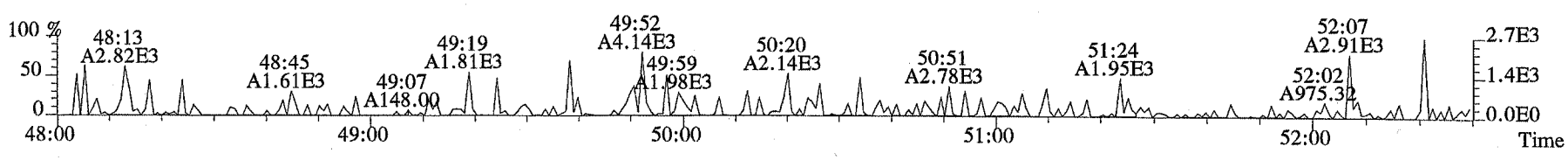
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



Frontier Analytical Laboratory

Data Filename: 24OCT06M

Analyte: Cal: PCDDFAL3-10-24-06

Name	RRF	S. D.	%RSD	S2 RRF#1	S3 RRF#2	S4 RRF#3	S1 RRF#4	S5 RRF#5	S6 RRF#6
2,3,7,8-TCDD	1.19	0.0435	3.65 %	1.23	1.14	1.13	1.23	1.21	1.21
1,2,3,7,8-PeCDD	0.69	0.0456	6.56 %	0.66	0.63	0.68	0.71	0.74	0.74
1,2,3,4,7,8-HxCDD	0.94	0.0375	3.98 %	0.91	0.90	0.92	0.98	0.98	0.96
1,2,3,6,7,8-HxCDD	0.81	0.0329	4.05 %	0.79	0.77	0.79	0.84	0.86	0.82
1,2,3,7,8,9-HxCDD	0.74	0.0306	4.12 %	0.72	0.70	0.73	0.78	0.77	0.75
1,2,3,4,6,7,8-HpCDD	0.89	0.0432	4.84 %	0.86	0.83	0.87	0.93	0.94	0.92
OCDD	1.03	0.0563	5.47 %	1.01	0.95	0.99	1.07	1.09	1.07
2,3,7,8-TCDF	0.97	0.0495	5.09 %	0.96	0.89	0.96	0.98	1.02	1.02
1,2,3,7,8-PeCDF	0.82	0.0524	6.38 %	0.76	0.75	0.81	0.86	0.88	0.86
2,3,4,7,8-PeCDF	0.78	0.0491	6.31 %	0.73	0.71	0.77	0.80	0.83	0.82
1,2,3,4,7,8-HxCDF	0.90	0.0248	2.75 %	0.89	0.87	0.88	0.92	0.94	0.90
1,2,3,6,7,8-HxCDF	1.02	0.0518	5.08 %	0.98	0.95	1.00	1.06	1.08	1.04
2,3,4,6,7,8-HxCDF	0.97	0.0381	3.93 %	0.94	0.92	0.95	0.98	1.02	0.99
1,2,3,7,8,9-HxCDF	0.89	0.0417	4.67 %	0.89	0.84	0.86	0.92	0.95	0.90
1,2,3,4,6,7,8-HpCDF	0.99	0.0402	4.05 %	0.96	0.94	0.98	1.02	1.05	1.01
1,2,3,4,7,8,9-HpCDF	0.98	0.0489	4.99 %	0.95	0.91	0.97	1.01	1.05	1.00
OCDF	0.84	0.0403	4.79 %	0.84	0.77	0.83	0.87	0.89	0.86
13C-2,3,7,8-TCDD	0.95	0.0197	2.08 %	0.94	0.93	0.94	0.95	0.95	0.99
13C-1,2,3,7,8-PeCDD	1.06	0.0288	2.72 %	1.10	1.04	1.03	1.04	1.09	1.06
13C-1,2,3,4,7,8-HxCDD	1.05	0.0291	2.76 %	1.10	1.02	1.04	1.06	1.03	1.06
13C-1,2,3,6,7,8-HxCDD	1.00	0.0258	2.59 %	1.02	0.98	1.02	1.02	0.96	0.97
13C-1,2,3,4,6,7,8-HpCDD	0.82	0.0348	4.24 %	0.86	0.79	0.85	0.83	0.77	0.83
13C-OCDD	0.68	0.0483	7.10 %	0.71	0.65	0.72	0.68	0.60	0.72
13C-2,3,7,8-TCDF	0.98	0.0181	1.83 %	0.97	0.98	1.00	0.98	0.97	1.01
13C-1,2,3,7,8-PeCDF	0.83	0.0193	2.33 %	0.85	0.82	0.81	0.83	0.82	0.86
13C-2,3,4,7,8-PeCDF	0.97	0.0231	2.37 %	0.99	0.95	0.95	0.95	1.00	0.99
13C-1,2,3,4,7,8-HxCDF	1.28	0.0707	5.52 %	1.38	1.31	1.28	1.32	1.22	1.19
13C-1,2,3,6,7,8-HxCDF	1.29	0.0751	5.83 %	1.38	1.31	1.29	1.34	1.24	1.17
13C-2,3,4,6,7,8-HxCDF	1.12	0.0572	5.08 %	1.20	1.14	1.12	1.16	1.09	1.04
13C-1,2,3,7,8,9-HxCDF	1.27	0.0368	2.90 %	1.34	1.24	1.24	1.27	1.26	1.25
13C-1,2,3,4,6,7,8-HpCDF	1.06	0.0524	4.96 %	1.14	1.03	1.05	1.10	1.00	1.03
13C-1,2,3,4,7,8,9-HpCDF	0.94	0.0423	4.48 %	1.01	0.90	0.96	0.95	0.90	0.95
13C-OCDF	0.95	0.0670	7.07 %	1.01	0.91	1.00	0.94	0.84	0.99
37Cl-2,3,7,8-TCDD	0.65	0.0450	6.90 %	0.60	0.60	0.66	0.65	0.69	0.72
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-
13C-1,2,3,4-TCDF	-	-	- %	-	-	-	-	-	-
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-
Total Tetra-Dioxins	1.19	0.0435	3.65 %	1.23	1.14	1.13	1.23	1.21	1.21
Total Penta-Dioxins	0.69	0.0456	6.56 %	0.66	0.63	0.68	0.71	0.74	0.74
Total Hexa-Dioxins	0.83	0.0337	4.04 %	0.81	0.79	0.81	0.87	0.87	0.85
Total Hepta-Dioxins	0.89	0.0432	4.84 %	0.86	0.83	0.87	0.93	0.94	0.92
Total Tetra-Furans	0.97	0.0495	5.09 %	0.96	0.89	0.96	0.98	1.02	1.02
1st Fn. Tot Penta-Furans	0.80	0.0503	6.31 %	0.74	0.73	0.79	0.83	0.85	0.84
Total Penta-Furans	0.80	0.0503	6.31 %	0.74	0.73	0.79	0.83	0.85	0.84
Total Hexa-Furans	0.95	0.0381	4.03 %	0.92	0.89	0.93	0.97	1.00	0.96
Total Hepta-Furans	0.99	0.0442	4.47 %	0.96	0.93	0.97	1.02	1.05	1.00

Analyst: _____ Date: 10/25/06

Frontier Analytical Laboratory - Acquisition Log

Run Name:24OCT06M Instrument: FAL3 GC: DB5 Experiment:PCDD

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
24OCT06M	1	ST102406M3	1613 CS3 061011J	24-OCT-06 11:10:51	NA	NA	DV
24OCT06M	2	ST102406M0	1613 CS0 061011G	24-OCT-06 12:06:14	NA	NA	DV
24OCT06M	3	ST102406M1	1613 CS1 061011H	24-OCT-06 13:01:38	NA	NA	DV
24OCT06M	4	ST102406M2	1613 CS2 061011I	24-OCT-06 13:57:01	NA	NA	DV
24OCT06M	5	ST102406M4	1613 CS4 061011K	24-OCT-06 14:52:28	NA	NA	DV
24OCT06M	6	ST102406M5	1613 CS5 061011L	24-OCT-06 15:47:52	NA	NA	DV
24OCT06M	7	SB102406M1	Solvent Blank	24-OCT-06 16:43:12	NA	NA	DV
24OCT06M	8	4005-001-0003-DUP	LPTP06-S3	24-OCT-06 17:38:36	NA	NA	DV
24OCT06M	9	SB102406M2	Solvent Blank	24-OCT-06 18:34:03	NA	NA	DV
24OCT06M	10	ST102406M6	1613 CS3 061011J	24-OCT-06 19:29:31	NA	NA	DV
24OCT06M	11	ST102406M7	1613 CS3 (051212J)	24-OCT-06 20:24:55	ST102406M7	ST102406M8	DV
24OCT06M	12	0988-001-0001-OPR	OPR	24-OCT-06 21:20:18	ST102406M7	ST102406M8	DV
24OCT06M	13	0988-001-0001-MB	Method Blank	24-OCT-06 22:15:42	ST102406M7	ST102406M8	DV
24OCT06M	14	4117-001-0001-SA	WWTP Eff. Comp.	24-OCT-06 23:11:05	ST102406M7	ST102406M8	DV
24OCT06M	15	4118-001-0001-SA	IPJ1685-01	25-OCT-06 00:06:25	ST102406M7	ST102406M8	DV
24OCT06M	16	4120-001-0001-SA	6100583-01	25-OCT-06 01:01:47	ST102406M7	ST102406M8	DV
24OCT06M	17	SB102406M3	Solvent Blank	25-OCT-06 01:57:11	ST102406M7	ST102406M8	DV
24OCT06M	18	ST102406M8	1613 CS3 (051212J)	25-OCT-06 02:52:35	ST102406M7	ST102406M8	DV

10/25/06

Data Backed Up:_____

Date:_____

Run #1 Filename 24OCT06M S: 2 Acquired: 24-OCT-06 12:06:14 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M0 Analyte: FAL ID: 1613 CSO 061011G

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.25	5.93e+05	0.84	y	27:30	-	1.23	y
2	Unk	1,2,3,7,8-PeCDD	1.25	1.86e+06	1.57	y	33:19	-	0.661	y
3	Unk	1,2,3,4,7,8-HxCDD	1.25	2.03e+06	1.33	y	38:40	-	0.915	y
4	Unk	1,2,3,6,7,8-HxCDD	1.25	1.62e+06	1.26	y	38:50	-	0.790	y
5	Unk	1,2,3,7,8,9-HxCDD	1.25	1.55e+06	1.26	y	39:16	-	0.724	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	1.50e+06	1.10	y	44:15	-	0.863	y
7	Unk	OCDD	2.50	2.89e+06	0.90	y	49:47	-	1.01	y
8	Unk	2,3,7,8-TCDF	0.25	7.47e+05	0.70	y	26:45	-	0.961	y
9	Unk	1,2,3,7,8-PeCDF	1.25	2.60e+06	1.59	y	31:34	-	0.765	y
10	Unk	2,3,4,7,8-PeCDF	1.25	2.89e+06	1.61	y	32:53	-	0.726	y
11	Unk	1,2,3,4,7,8-HxCDF	1.25	2.49e+06	1.24	y	37:16	-	0.894	y
12	Unk	1,2,3,6,7,8-HxCDF	1.25	2.72e+06	1.30	y	37:28	-	0.978	y
13	Unk	2,3,4,6,7,8-HxCDF	1.25	2.28e+06	1.25	y	38:24	-	0.940	y
14	Unk	1,2,3,7,8,9-HxCDF	1.25	2.39e+06	1.25	y	39:50	-	0.886	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	2.22e+06	1.08	y	42:20	-	0.963	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	1.94e+06	1.06	y	45:09	-	0.952	y
17	Unk	OCDF	2.50	3.42e+06	0.90	y	50:10	-	0.840	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.93e+08	0.78	y	27:29	-	0.938	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.25e+08	1.59	y	33:17	-	1.10	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.78e+08	1.27	y	38:38	-	1.10	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.64e+08	1.26	y	38:48	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.39e+08	1.05	y	44:13	-	0.863	y
23	IS	13C-OCDD	200.00	2.29e+08	0.90	y	49:46	-	0.711	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.11e+08	0.80	y	26:44	-	0.966	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.72e+08	1.58	y	31:34	-	0.846	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.19e+08	1.57	y	32:53	-	0.990	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.23e+08	0.52	y	37:15	-	1.38	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.23e+08	0.52	y	37:27	-	1.38	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.94e+08	0.53	y	38:23	-	1.20	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	2.16e+08	0.52	y	39:49	-	1.34	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.84e+08	0.44	y	42:19	-	1.14	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.63e+08	0.44	y	45:08	-	1.01	y
33	IS	13C-OCDF	200.00	3.26e+08	0.89	y	50:08	-	1.01	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.25	3.10e+05			27:30	-	0.603	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.06e+08	0.80	y	26:55	2.06e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.22e+08	0.79	y	25:40	3.22e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.61e+08	1.26	y	39:15	1.61e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.23	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.661	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.811	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.863	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	0.961	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.744	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.744	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.924	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	0.958	y

Analyst: _____ Date: 10/25/06

Run #2 Filename 24OCT06M S: 3 Acquired: 24-OCT-06 13:01:38 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M1 Analyte: FAL ID: 1613 CS1 061011H

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.50	1.19e+06	0.75	y	27:30	-	1.14	y
2	Unk	1,2,3,7,8-PeCDD	2.50	3.67e+06	1.53	y	33:19	-	0.629	y
3	Unk	1,2,3,4,7,8-HxCDD	2.50	3.65e+06	1.23	y	38:40	-	0.897	y
4	Unk	1,2,3,6,7,8-HxCDD	2.50	3.01e+06	1.33	y	38:49	-	0.773	y
5	Unk	1,2,3,7,8,9-HxCDD	2.50	2.79e+06	1.26	y	39:17	-	0.700	y
6	Unk	1,2,3,4,6,7,8-HpCDD	2.50	2.59e+06	1.06	y	44:15	-	0.830	y
7	Unk	OCDD	5.00	4.93e+06	0.89	y	49:47	-	0.948	y
8	Unk	2,3,7,8-TCDF	0.50	1.47e+06	0.78	y	26:45	-	0.887	y
9	Unk	1,2,3,7,8-PeCDF	2.50	5.24e+06	1.60	y	31:35	-	0.755	y
10	Unk	2,3,4,7,8-PeCDF	2.50	5.77e+06	1.55	y	32:54	-	0.715	y
11	Unk	1,2,3,4,7,8-HxCDF	2.50	4.51e+06	1.29	y	37:17	-	0.868	y
12	Unk	1,2,3,6,7,8-HxCDF	2.50	4.93e+06	1.22	y	37:28	-	0.949	y
13	Unk	2,3,4,6,7,8-HxCDF	2.50	4.16e+06	1.28	y	38:25	-	0.921	y
14	Unk	1,2,3,7,8,9-HxCDF	2.50	4.11e+06	1.26	y	39:51	-	0.835	y
15	Unk	1,2,3,4,6,7,8-HpCDF	2.50	3.83e+06	1.04	y	42:21	-	0.940	y
16	Unk	1,2,3,4,7,8,9-HpCDF	2.50	3.23e+06	1.04	y	45:09	-	0.908	y
17	Unk	OCDF	5.00	5.61e+06	0.88	y	50:09	-	0.772	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.09e+08	0.79	y	27:29	-	0.929	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.34e+08	1.57	y	33:18	-	1.04	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.63e+08	1.27	y	38:39	-	1.02	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.56e+08	1.29	y	38:49	-	0.981	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.25e+08	1.06	y	44:13	-	0.786	y
23	IS	13C-OCDD	200.00	2.08e+08	0.90	y	49:47	-	0.654	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.31e+08	0.80	y	26:44	-	0.979	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.77e+08	1.58	y	31:33	-	0.821	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.23e+08	1.56	y	32:52	-	0.955	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.08e+08	0.52	y	37:15	-	1.31	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.08e+08	0.52	y	37:27	-	1.31	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.81e+08	0.53	y	38:23	-	1.14	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.97e+08	0.52	y	39:49	-	1.24	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.63e+08	0.44	y	42:20	-	1.03	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.42e+08	0.44	y	45:08	-	0.896	y
33	IS	13C-OCDF	200.00	2.90e+08	0.88	y	50:08	-	0.914	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.50	6.78e+05			27:30	-	0.602	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.25e+08	0.80	y	26:55	2.25e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.38e+08	0.80	y	25:39	3.38e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.59e+08	1.29	y	39:15	1.59e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.14	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.629	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.791	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.830	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	0.887	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.733	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.733	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.893	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	0.925	y

Analyst: _____ Date: 10/27/06

Run #3 Filename 24OCT06M S: 4 Acquired: 24-OCT-06 13:57:01 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M2 Analyte: FAL ID: 1613 CS2 061011I

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	2.00	4.79e+06	0.78	y	27:30	-	1.13	y
2	Unk	1,2,3,7,8-PeCDD	10.00	1.57e+07	1.59	y	33:19	-	0.681	y
3	Unk	1,2,3,4,7,8-HxCDD	10.00	1.50e+07	1.24	y	38:40	-	0.919	y
4	Unk	1,2,3,6,7,8-HxCDD	10.00	1.27e+07	1.27	y	38:50	-	0.794	y
5	Unk	1,2,3,7,8,9-HxCDD	10.00	1.18e+07	1.23	y	39:17	-	0.729	y
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	1.16e+07	1.06	y	44:14	-	0.869	y
7	Unk	OCDD	20.00	2.24e+07	0.90	y	49:48	-	0.992	y
8	Unk	2,3,7,8-TCDF	2.00	6.56e+06	0.78	y	26:45	-	0.965	y
9	Unk	1,2,3,7,8-PeCDF	10.00	2.23e+07	1.57	y	31:35	-	0.812	y
10	Unk	2,3,4,7,8-PeCDF	10.00	2.51e+07	1.58	y	32:54	-	0.773	y
11	Unk	1,2,3,4,7,8-HxCDF	10.00	1.79e+07	1.27	y	37:17	-	0.885	y
12	Unk	1,2,3,6,7,8-HxCDF	10.00	2.03e+07	1.25	y	37:28	-	1.00	y
13	Unk	2,3,4,6,7,8-HxCDF	10.00	1.68e+07	1.22	y	38:25	-	0.953	y
14	Unk	1,2,3,7,8,9-HxCDF	10.00	1.69e+07	1.24	y	39:51	-	0.864	y
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	1.61e+07	1.05	y	42:21	-	0.980	y
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	1.46e+07	1.03	y	45:09	-	0.970	y
17	Unk	OCDF	20.00	2.61e+07	0.90	y	50:10	-	0.825	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.11e+08	0.78	y	27:29	-	0.940	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.31e+08	1.58	y	33:18	-	1.03	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.64e+08	1.27	y	38:39	-	1.04	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.60e+08	1.26	y	38:49	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.33e+08	1.04	y	44:14	-	0.846	y
23	IS	13C-OCDD	200.00	2.26e+08	0.88	y	49:46	-	0.719	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.40e+08	0.80	y	26:44	-	0.998	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.74e+08	1.58	y	31:33	-	0.805	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.24e+08	1.59	y	32:52	-	0.952	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.02e+08	0.52	y	37:15	-	1.28	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.03e+08	0.52	y	37:28	-	1.29	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.77e+08	0.52	y	38:23	-	1.12	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.96e+08	0.52	y	39:49	-	1.24	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.65e+08	0.44	y	42:20	-	1.05	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.51e+08	0.43	y	45:09	-	0.958	y
33	IS	13C-OCDF	200.00	3.16e+08	0.89	y	50:09	-	1.00	y
34	C/Up	37Cl-2,3,7,8-TCDD	2.00	2.95e+06			27:30	-	0.657	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.25e+08	0.81	y	26:55	2.25e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.41e+08	0.79	y	25:39	3.41e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.57e+08	1.23	y	39:15	1.57e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.13	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.681	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.814	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.869	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	0.965	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.791	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.791	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.926	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	0.975	y

Analyst:  Date: 10/25/06

Run #4 Filename 24OCT06M S: 1 Acquired: 24-OCT-06 11:10:51 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M3 Analyte: FAL ID: 1613 CS3 061011J

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	10.00	1.65e+07	0.77	y	27:28	-	1.23	y
2	Unk	1,2,3,7,8-PeCDD	50.00	5.27e+07	1.59	y	33:19	-	0.714	y
3	Unk	1,2,3,4,7,8-HxCDD	50.00	5.59e+07	1.26	y	38:39	-	0.983	y
4	Unk	1,2,3,6,7,8-HxCDD	50.00	4.58e+07	1.27	y	38:49	-	0.841	y
5	Unk	1,2,3,7,8,9-HxCDD	50.00	4.33e+07	1.27	y	39:16	-	0.777	y
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	4.11e+07	1.05	y	44:15	-	0.927	y
7	Unk	OCDD	100.00	7.71e+07	0.87	y	49:47	-	1.07	y
8	Unk	2,3,7,8-TCDF	10.00	2.06e+07	0.78	y	26:42	-	0.980	y
9	Unk	1,2,3,7,8-PeCDF	50.00	7.60e+07	1.58	y	31:35	-	0.859	y
10	Unk	2,3,4,7,8-PeCDF	50.00	8.09e+07	1.57	y	32:54	-	0.796	y
11	Unk	1,2,3,4,7,8-HxCDF	50.00	6.45e+07	1.27	y	37:17	-	0.916	y
12	Unk	1,2,3,6,7,8-HxCDF	50.00	7.58e+07	1.23	y	37:28	-	1.06	y
13	Unk	2,3,4,6,7,8-HxCDF	50.00	6.09e+07	1.26	y	38:25	-	0.984	y
14	Unk	1,2,3,7,8,9-HxCDF	50.00	6.27e+07	1.27	y	39:50	-	0.920	y
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	6.02e+07	1.04	y	42:20	-	1.02	y
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	5.13e+07	1.04	y	45:08	-	1.01	y
17	Unk	OCDF	100.00	8.72e+07	0.92	y	50:09	-	0.870	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.35e+08	0.78	y	27:26	-	0.951	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	1.47e+08	1.57	y	33:17	-	1.04	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.14e+08	1.27	y	38:39	-	1.06	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.09e+08	1.28	y	38:49	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	8.87e+07	1.06	y	44:13	-	0.830	y
23	IS	13C-OCDD	200.00	1.45e+08	0.89	y	49:45	-	0.676	y
24	IS	13C-2,3,7,8-TCDF	100.00	2.10e+08	0.79	y	26:41	-	0.984	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	1.77e+08	1.57	y	31:33	-	0.829	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	2.03e+08	1.58	y	32:52	-	0.953	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	1.41e+08	0.52	y	37:15	-	1.32	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	1.43e+08	0.52	y	37:27	-	1.34	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.24e+08	0.52	y	38:23	-	1.16	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.36e+08	0.52	y	39:49	-	1.27	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.18e+08	0.43	y	42:20	-	1.10	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.01e+08	0.44	y	45:08	-	0.949	y
33	IS	13C-OCDF	200.00	2.00e+08	0.89	y	50:08	-	0.937	y
34	C/Up	37Cl-2,3,7,8-TCDD	10.00	9.23e+06			27:28	-	0.652	y
35	RS	13C-1,2,3,4-TCDD	100.00	1.41e+08	0.79	y	26:51	1.41e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	2.13e+08	0.80	y	25:35	2.13e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.07e+08	1.26	y	39:15	1.07e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.23	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.714	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.868	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.927	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	0.980	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.825	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.825	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.970	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	1.02	y

Analyst: _____ Date: 10/25/06

Run #5 Filename 24OCT06M S: 5 Acquired: 24-OCT-06 14:52:28 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M4 Analyte: FAL ID: 1613 CS4 061011K

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	40.00	7.72e+07	0.78	y	27:29	-	1.21	y
2	Unk	1,2,3,7,8-PeCDD	200.00	2.74e+08	1.59	y	33:18	-	0.744	y
3	Unk	1,2,3,4,7,8-HxCDD	200.00	2.96e+08	1.28	y	38:40	-	0.985	y
4	Unk	1,2,3,6,7,8-HxCDD	200.00	2.42e+08	1.23	y	38:50	-	0.859	y
5	Unk	1,2,3,7,8,9-HxCDD	200.00	2.26e+08	1.26	y	39:17	-	0.775	y
6	Unk	1,2,3,4,6,7,8-HpCDD	200.00	2.12e+08	1.03	y	44:15	-	0.938	y
7	Unk	OCDD	400.00	3.82e+08	0.89	y	49:47	-	1.09	y
8	Unk	2,3,7,8-TCDF	40.00	1.02e+08	0.78	y	26:44	-	1.02	y
9	Unk	1,2,3,7,8-PeCDF	200.00	3.74e+08	1.57	y	31:34	-	0.877	y
10	Unk	2,3,4,7,8-PeCDF	200.00	4.35e+08	1.57	y	32:54	-	0.833	y
11	Unk	1,2,3,4,7,8-HxCDF	200.00	3.33e+08	1.25	y	37:16	-	0.939	y
12	Unk	1,2,3,6,7,8-HxCDF	200.00	3.93e+08	1.25	y	37:29	-	1.08	y
13	Unk	2,3,4,6,7,8-HxCDF	200.00	3.25e+08	1.25	y	38:25	-	1.02	y
14	Unk	1,2,3,7,8,9-HxCDF	200.00	3.50e+08	1.26	y	39:51	-	0.953	y
15	Unk	1,2,3,4,6,7,8-HpCDF	200.00	3.07e+08	1.04	y	42:21	-	1.05	y
16	Unk	1,2,3,4,7,8,9-HpCDF	200.00	2.76e+08	1.04	y	45:09	-	1.05	y
17	Unk	OCDF	400.00	4.32e+08	0.90	y	50:10	-	0.887	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.60e+08	0.79	y	27:28	-	0.946	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	1.84e+08	1.58	y	33:17	-	1.09	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.50e+08	1.28	y	38:39	-	1.03	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.41e+08	1.27	y	38:49	-	0.965	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.13e+08	1.04	y	44:14	-	0.774	y
23	IS	13C-OCDD	200.00	1.75e+08	0.89	y	49:47	-	0.599	y
24	IS	13C-2,3,7,8-TCDF	100.00	2.52e+08	0.79	y	26:43	-	0.968	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.13e+08	1.57	y	31:33	-	0.818	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	2.61e+08	1.58	y	32:52	-	1.00	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	1.77e+08	0.53	y	37:16	-	1.22	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	1.81e+08	0.52	y	37:27	-	1.24	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.59e+08	0.52	y	38:24	-	1.09	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.83e+08	0.52	y	39:50	-	1.26	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.47e+08	0.44	y	42:20	-	1.00	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.32e+08	0.44	y	45:08	-	0.902	y
33	IS	13C-OCDF	200.00	2.44e+08	0.89	y	50:09	-	0.835	y
34	C/Up	37Cl-2,3,7,8-TCDD	40.00	4.64e+07			27:29	-	0.686	y
35	RS	13C-1,2,3,4-TCDD	100.00	1.69e+08	0.80	y	26:53	1.69e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	2.60e+08	0.80	y	25:37	2.60e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.46e+08	1.25	y	39:16	1.46e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.21	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.744	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.874	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.938	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.02	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.853	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.853	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.000	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	1.05	y

Analyst: _____ Date: 10/25/06

Run #6 Filename 24OCT06M S: 6 Acquired: 24-OCT-06 15:47:52 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M5 Analyte: FAL ID: 1613 CS5 061011L

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	200.00	5.90e+08	0.79	y	27:31	-	1.21	y
2	Unk	1,2,3,7,8-PeCDD	1000.00	1.94e+09	1.57	y	33:19	-	0.738	y
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	1.98e+09	1.25	y	38:41	-	0.956	y
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	1.55e+09	1.25	y	38:50	-	0.821	y
5	Unk	1,2,3,7,8,9-HxCDD	1000.00	1.49e+09	1.25	y	39:17	-	0.754	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1000.00	1.49e+09	1.05	y	44:15	-	0.919	y
7	Unk	OCDD	2000.00	3.01e+09	0.89	y	49:50	-	1.07	y
8	Unk	2,3,7,8-TCDF	200.00	7.74e+08	0.78	y	26:46	-	1.02	y
9	Unk	1,2,3,7,8-PeCDF	1000.00	2.75e+09	1.57	y	31:36	-	0.859	y
10	Unk	2,3,4,7,8-PeCDF	1000.00	3.04e+09	1.55	y	32:55	-	0.822	y
11	Unk	1,2,3,4,7,8-HxCDF	1000.00	2.07e+09	1.25	y	37:17	-	0.898	y
12	Unk	1,2,3,6,7,8-HxCDF	1000.00	2.36e+09	1.25	y	37:29	-	1.04	y
13	Unk	2,3,4,6,7,8-HxCDF	1000.00	2.00e+09	1.25	y	38:25	-	0.994	y
14	Unk	1,2,3,7,8,9-HxCDF	1000.00	2.19e+09	1.23	y	39:51	-	0.905	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1000.00	2.01e+09	1.04	y	42:22	-	1.01	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1000.00	1.84e+09	1.04	y	45:10	-	0.996	y
17	Unk	OCDF	2000.00	3.28e+09	0.90	y	50:12	-	0.857	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.44e+08	0.78	y	27:30	-	0.985	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.62e+08	1.59	y	33:18	-	1.06	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.07e+08	1.27	y	38:39	-	1.06	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.89e+08	1.26	y	38:50	-	0.974	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.62e+08	1.05	y	44:14	-	0.833	y
23	IS	13C-OCDD	200.00	2.81e+08	0.89	y	49:48	-	0.724	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.78e+08	0.79	y	26:45	-	1.01	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	3.20e+08	1.58	y	31:34	-	0.858	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.69e+08	1.57	y	32:53	-	0.990	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.31e+08	0.52	y	37:16	-	1.19	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.27e+08	0.53	y	37:28	-	1.17	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	2.02e+08	0.53	y	38:24	-	1.04	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	2.42e+08	0.52	y	39:50	-	1.25	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.00e+08	0.45	y	42:20	-	1.03	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.84e+08	0.44	y	45:08	-	0.950	y
33	IS	13C-OCDF	200.00	3.83e+08	0.90	y	50:11	-	0.986	y
34	C/Up	37Cl-2,3,7,8-TCDD	200.00	3.54e+08			27:31	-	0.715	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.48e+08	0.80	y	26:56	2.48e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.73e+08	0.80	y	25:40	3.73e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.94e+08	1.27	y	39:16	1.94e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.21	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	0.738	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	0.846	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	0.919	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.02	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.839	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.839	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.958	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	1.00	y

Analyst: _____ Date: 10/5/06

7DFA - Form VII-HR CDD-1
CDD/CDF CONTINUING CALIBRATION SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

LAB FILE ID: 26OCT06M Sam: 1 DATE ANALYZED: 26-OCT-06 TIME ANALYZED: 12:59:49

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	SELECTED IONS	RR/ RRF	MEAN RR/ RRF	%D	%D FLAG	ION RATIO	ION RATIO FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	1.17	1.19	-1.96		0.76		0.65-0.89
2,3,7,8-TCDF	304/306	1.05	0.972	8.32		0.79		0.65-0.89
1,2,3,7,8-PeCDF	340/342	0.877	0.821	6.82		1.54		1.32-1.78
1,2,3,7,8-PeCDD	356/358	0.706	0.694	1.71		1.55		1.32-1.78
2,3,4,7,8-PeCDF	340/342	0.819	0.778	5.31		1.55		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	0.921	0.900	2.32		1.25		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.04	1.02	1.55		1.25		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	0.927	0.942	-1.68		1.24		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	0.838	0.813	3.04		1.23		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	0.780	0.743	4.96		1.26		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	0.977	0.969	0.822		1.25		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	0.921	0.894	3.01		1.24		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	1.04	0.994	4.69		1.04		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	0.933	0.891	4.70		1.07		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	1.03	0.981	4.60		1.03		0.88-1.20
OCDD	458/460	1.05	1.03	1.84		0.87		0.76-1.02
OCDF	442/444	0.865	0.842	2.79		0.91		0.76-1.02
LABELED COMPOUNDS								
13C-2,3,7,8-TCDD	332/334	0.947	0.948	-0.141		0.79		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.05	1.06	-0.921		1.57		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.02	1.05	-3.04		1.26		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	0.987	0.996	-0.945		1.25		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	0.812	0.822	-1.23		1.07		0.88-1.20
13C-OCDD	470/472	0.664	0.681	-2.45		0.89		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.924	0.984	-6.18		0.78		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	0.842	0.829	1.58		1.56		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	1.01	0.974	3.76		1.57		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	1.17	1.28	-8.80		0.52		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	1.25	1.29	-3.21		0.52		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	1.17	1.27	-7.24		0.52		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	1.08	1.12	-4.20		0.52		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	1.03	1.06	-2.85		0.44		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.893	0.944	-5.43		0.44		0.37-0.51
13C-OCDF	454/456	0.894	0.948	-5.69		0.90		0.76-1.02
CLEAN-UP								
37Cl-2,3,7,8-TCDD	328/NA	0.686	0.653	5.11		NA	NA	NA
INTERNAL STANDARDS								
13C-1,2,3,4-TCDD	332/334	NA	NA	NA	NA	0.80		0.65-0.89
13C-1,2,3,4-TCDF	316/318	NA	NA	NA	NA	0.80		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	NA	NA	NA	NA	1.30		1.05-1.43

The laboratory must flag any analyte which does not meet criteria for Percent Difference (%D) or ion abundance ratio by placing an asterik in the appropriate flag column

Analyst: _____ Date: 10/27/06

7DFA - Form VII-HR CDD-1

CDD/CDF CONTINUING CALIBRATION SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

LAB FILE ID: 26OCT06M Sam: 11 DATE ANALYZED: 26-OCT-06 TIME ANALYZED: 22:13:25

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	SELECTED IONS	RR/ RRF	MEAN RR/ RRF	%D	%D FLAG	ION RATIO	ION RATIO FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	1.23	1.19	3.00		0.79		0.65-0.89
2,3,7,8-TCDF	304/306	1.04	0.972	7.03		0.77		0.65-0.89
1,2,3,7,8-PeCDF	340/342	0.879	0.821	7.01		1.57		1.32-1.78
1,2,3,7,8-PeCDD	356/358	0.715	0.694	2.94		1.55		1.32-1.78
2,3,4,7,8-PeCDF	340/342	0.814	0.778	4.73		1.54		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	0.908	0.900	0.861		1.25		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.06	1.02	3.96		1.25		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	0.951	0.942	0.865		1.25		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	0.811	0.813	-0.216		1.26		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	0.801	0.743	7.74		1.27		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	1.01	0.969	4.64		1.23		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	0.934	0.894	4.54		1.24		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	1.03	0.994	3.96		1.03		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	0.912	0.891	2.36		1.04		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	1.03	0.981	5.29		1.05		0.88-1.20
OCDD	458/460	1.06	1.03	3.10		0.90		0.76-1.02
OCDF	442/444	0.865	0.842	2.78		0.93		0.76-1.02
LABELED COMPOUNDS								
13C-2,3,7,8-TCDD	332/334	0.942	0.948	-0.693		0.79		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.02	1.06	-3.34		1.58		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.02	1.05	-3.00		1.26		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	0.999	0.996	0.309		1.25		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	0.825	0.822	0.392		1.06		0.88-1.20
13C-OCDD	470/472	0.683	0.681	0.348		0.90		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.997	0.984	1.30		0.79		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	0.903	0.829	8.89		1.57		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	1.08	0.974	11.0		1.59		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	1.22	1.28	-4.74		0.53		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	1.27	1.29	-1.45		0.52		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	1.20	1.27	-5.51		0.53		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	1.10	1.12	-2.41		0.54		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	1.04	1.06	-1.30		0.44		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.929	0.944	-1.68		0.44		0.37-0.51
13C-OCDF	454/456	0.939	0.948	-0.970		0.88		0.76-1.02
CLEAN-UP								
37Cl-2,3,7,8-TCDD	328/NA	0.666	0.653	2.03		NA	NA	NA
INTERNAL STANDARDS								
13C-1,2,3,4-TCDD	332/334	NA	NA	NA	NA	0.80		0.65-0.89
13C-1,2,3,4-TCDF	316/318	NA	NA	NA	NA	0.80		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	NA	NA	NA	NA	1.24		1.05-1.43

The laboratory must flag any analyte which does not meet criteria for Percent Difference (%D) or ion abundance ratio by placing an asterik in the appropriate flag column

Analyst: _____ Date: 10/27/06

7DFB - Form VII-HR CDD-2

CDD/CDF CONTINUING CALIBRATION RETENTION TIME SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

DATE ANALYZED: 26-OCT-06 TIME ANALYZED: 12:59:49

LAB FILE ID: 26OCT06M Sam: 1

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	RRT	RT
2,3,7,8-TCDD	1.001	27:23
2,3,7,8-TCDF	1.001	26:37
1,2,3,7,8-PeCDF	1.000	31:29
1,2,3,7,8-PeCDD	1.000	33:13
2,3,4,7,8-PeCDF	1.001	32:49
1,2,3,4,7,8-HxCDF	1.001	37:11
1,2,3,6,7,8-HxCDF	1.000	37:23
1,2,3,4,7,8-HxCDD	1.001	38:35
1,2,3,6,7,8-HxCDD	1.000	38:44
1,2,3,7,8,9-HxCDD	1.012	39:11
2,3,4,6,7,8-HxCDF	1.000	38:19
1,2,3,7,8,9-HxCDF	1.001	39:45
1,2,3,4,6,7,8-HpCDF	1.001	42:16
1,2,3,4,6,7,8-HpCDD	1.001	44:10
1,2,3,4,7,8,9-HpCDF	1.001	45:05
OCDD	1.001	49:41
OCDF	1.000	50:03
LABELED COMPOUNDS		
13C-2,3,7,8-TCDD	1.021	27:22
13C-1,2,3,7,8-PeCDD	1.240	33:12
13C-1,2,3,4,7,8-HxCDD	0.985	38:33
13C-1,2,3,6,7,8-HxCDD	0.989	38:43
13C-1,2,3,4,6,7,8-HpCDD	1.127	44:08
13C-OCDD	1.268	49:40
13C-2,3,7,8-TCDF	0.993	26:36
13C-1,2,3,7,8-PeCDF	1.175	31:29
13C-2,3,4,7,8-PeCDF	1.224	32:48
13C-1,2,3,4,7,8-HxCDF	0.949	37:10
13C-1,2,3,6,7,8-HxCDF	0.954	37:22
13C-1,2,3,7,8,9-HxCDF	1.015	39:44
13C-2,3,4,6,7,8-HxCDF	0.978	38:19
13C-1,2,3,4,6,7,8-HpCDF	1.079	42:14
13C-1,2,3,4,7,8,9-HpCDF	1.150	45:03
13C-OCDF	1.278	50:02
CLEAN-UP STANDARD		
37Cl-2,3,7,8-TCDD	NA	27:23
INTERNAL STANDARD		
13C-1,2,3,4-TCDD	NA	26:47
13C-1,2,3,4-TCDF	NA	25:30
13C-1,2,3,7,8,9-HxCDD	NA	39:10

Analyst: _____ Date: 10/27/06

7DFB - Form VII-HR CDD-2

CDD/CDF CONTINUING CALIBRATION RETENTION TIME SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

DATE ANALYZED: 26-OCT-06 TIME ANALYZED: 22:13:25

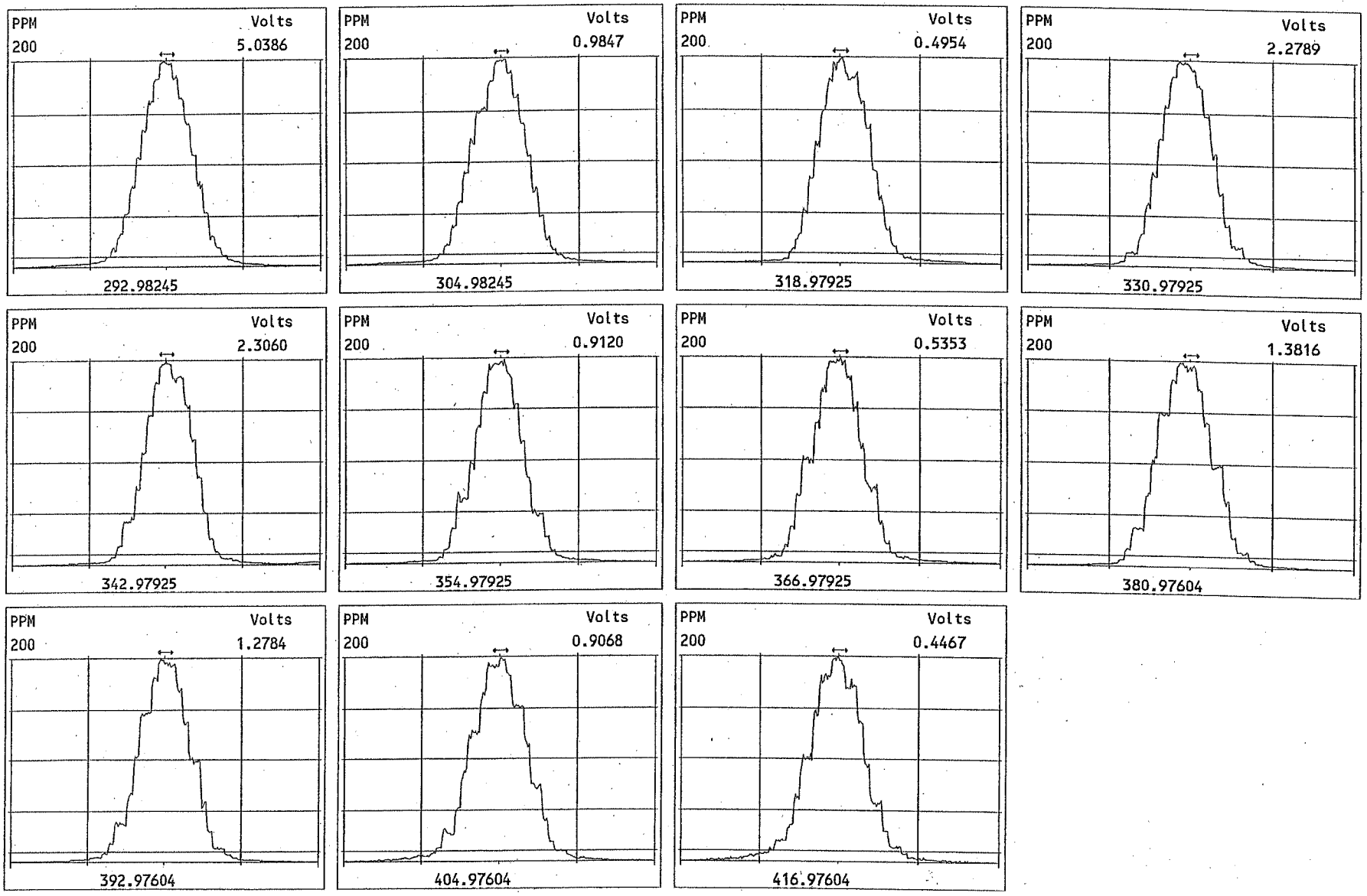
LAB FILE ID: 26OCT06M Sam: 11

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

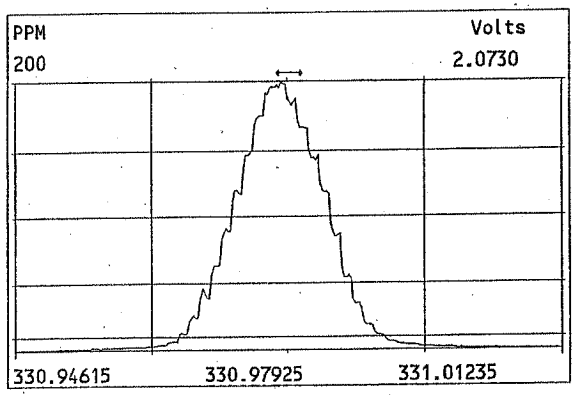
TARGET ANALYTES	RRT	RT
2,3,7,8-TCDD	1.001	27:23
2,3,7,8-TCDF	1.001	26:36
1,2,3,7,8-PeCDF	1.000	31:29
1,2,3,7,8-PeCDD	1.000	33:12
2,3,4,7,8-PeCDF	1.000	32:48
1,2,3,4,7,8-HxCDF	1.000	37:10
1,2,3,6,7,8-HxCDF	1.001	37:23
1,2,3,4,7,8-HxCDD	1.000	38:34
1,2,3,6,7,8-HxCDD	1.001	38:44
1,2,3,7,8,9-HxCDD	1.012	39:10
2,3,4,6,7,8-HxCDF	1.001	38:19
1,2,3,7,8,9-HxCDF	1.001	39:45
1,2,3,4,6,7,8-HpCDF	1.001	42:16
1,2,3,4,6,7,8-HpCDD	1.000	44:09
1,2,3,4,7,8,9-HpCDF	1.001	45:04
OCDD	1.001	49:40
OCDF	1.001	50:03
LABELED COMPOUNDS		
13C-2,3,7,8-TCDD	1.022	27:22
13C-1,2,3,7,8-PeCDD	1.240	33:12
13C-1,2,3,4,7,8-HxCDD	0.985	38:33
13C-1,2,3,6,7,8-HxCDD	0.988	38:43
13C-1,2,3,4,6,7,8-HpCDD	1.127	44:08
13C-OCDD	1.268	49:39
13C-2,3,7,8-TCDF	0.993	26:35
13C-1,2,3,7,8-PeCDF	1.175	31:28
13C-2,3,4,7,8-PeCDF	1.225	32:47
13C-1,2,3,4,7,8-HxCDF	0.949	37:10
13C-1,2,3,6,7,8-HxCDF	0.954	37:21
13C-1,2,3,7,8,9-HxCDF	1.014	39:43
13C-2,3,4,6,7,8-HxCDF	0.978	38:18
13C-1,2,3,4,6,7,8-HpCDF	1.079	42:14
13C-1,2,3,4,7,8,9-HpCDF	1.150	45:02
13C-OCDF	1.277	50:01
CLEAN-UP STANDARD		
37Cl-2,3,7,8-TCDD	NA	27:23
INTERNAL STANDARD		
13C-1,2,3,4-TCDD	NA	26:46
13C-1,2,3,4-TCDF	NA	25:30
13C-1,2,3,7,8,9-HxCDD	NA	39:10

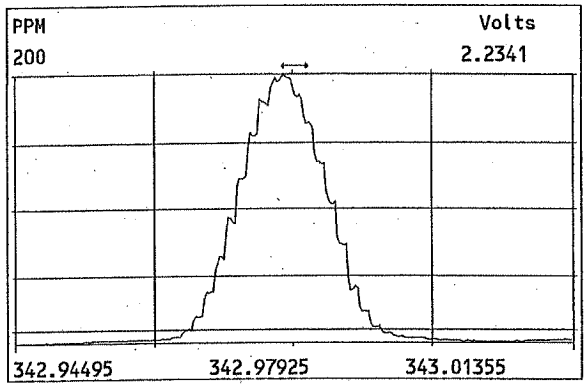
Analyst: _____ Date: 10/27/06

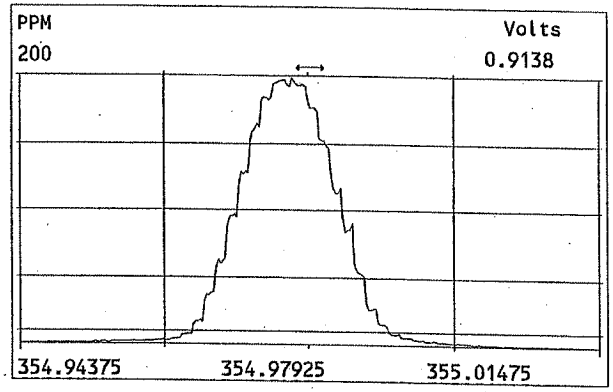
Peak Locate Examination:26-OCT-2006:12:57 File:26OCT06M
Experiment:PCDD Function:1 Reference:PFK

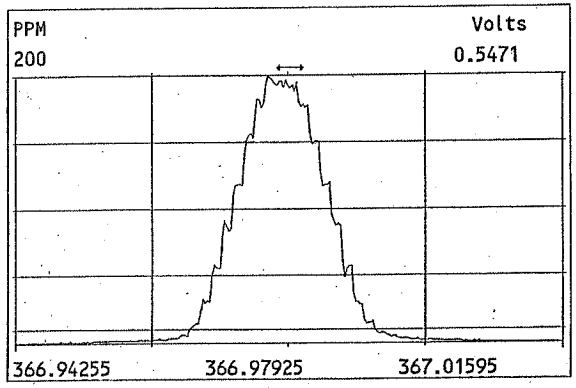


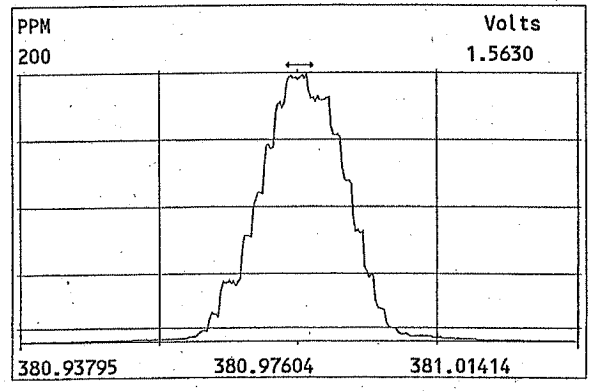
Peak Locate Examination:26-OCT-2006:12:58 File:26OCT06M
Experiment:PCDD Function:2 Reference:PFK

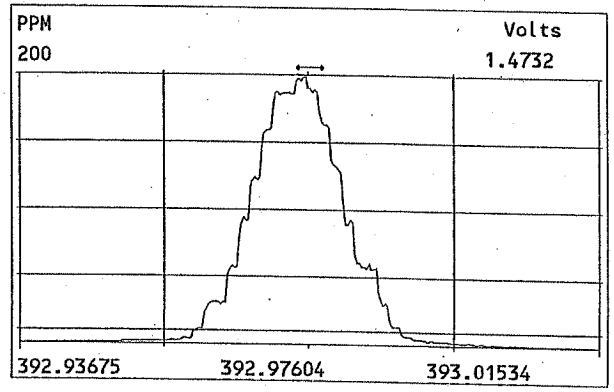


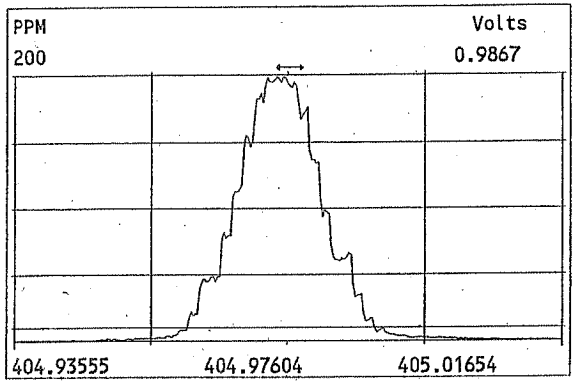


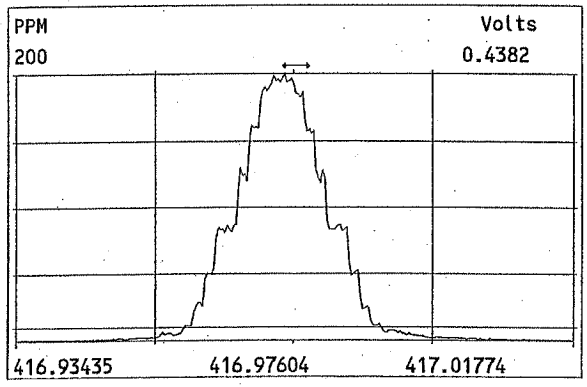




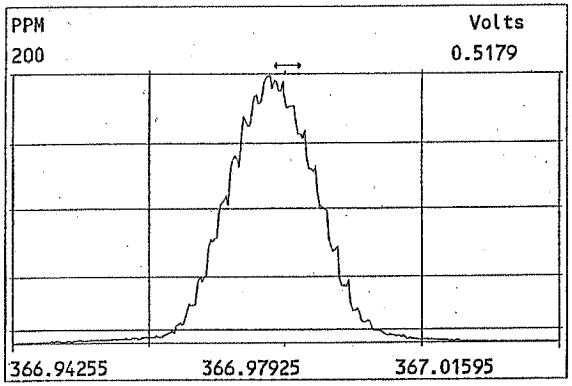


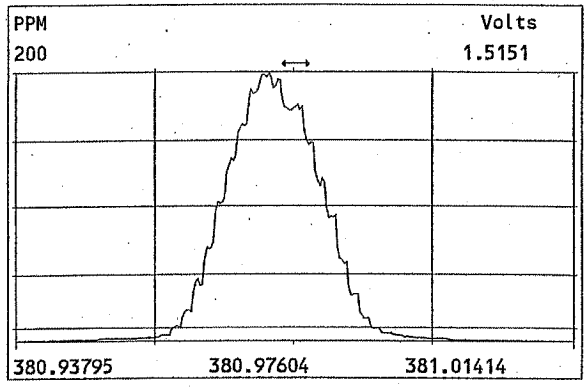


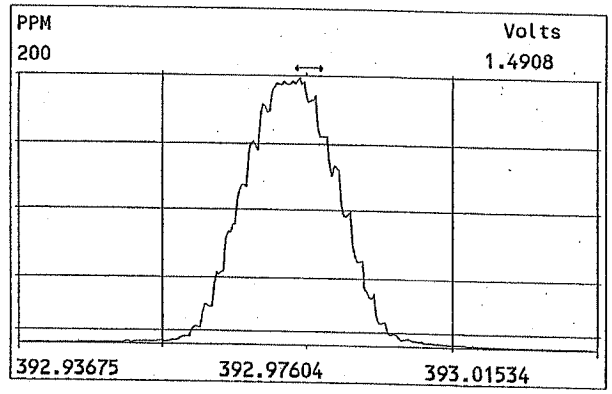


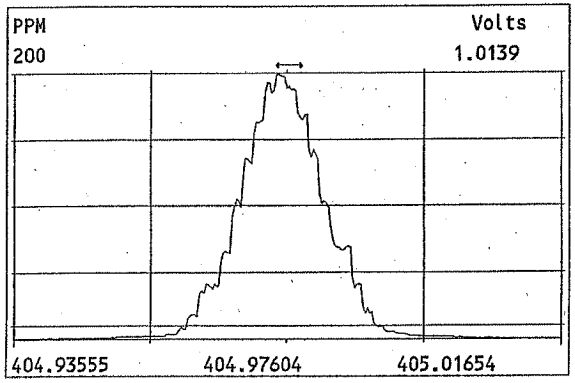


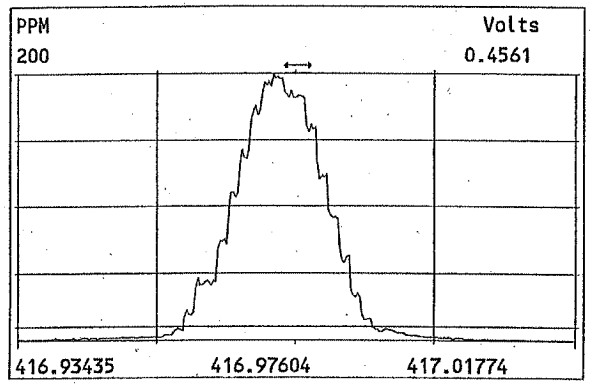
Peak Locate Examination:26-OCT-2006:12:58 File:26OCT06M
Experiment:PCDD Function:3 Reference:PFK

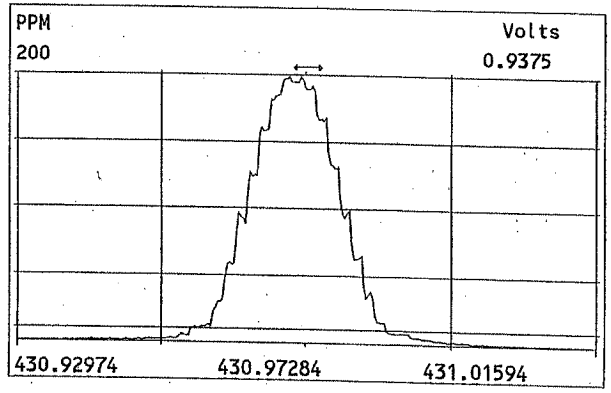


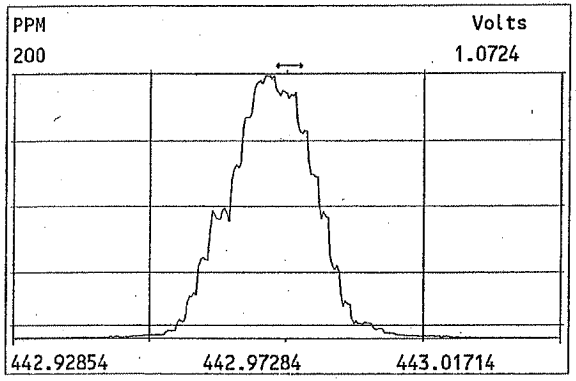


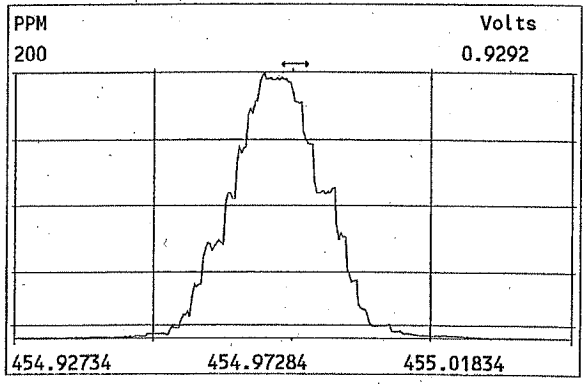




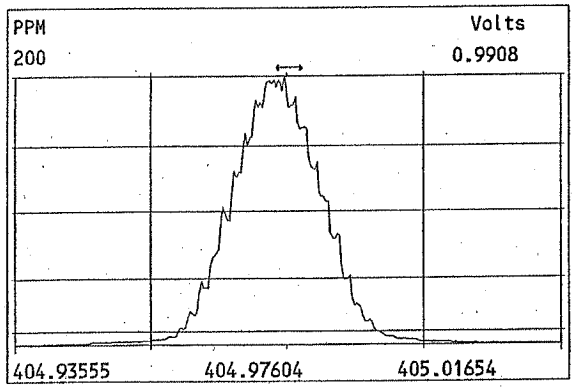


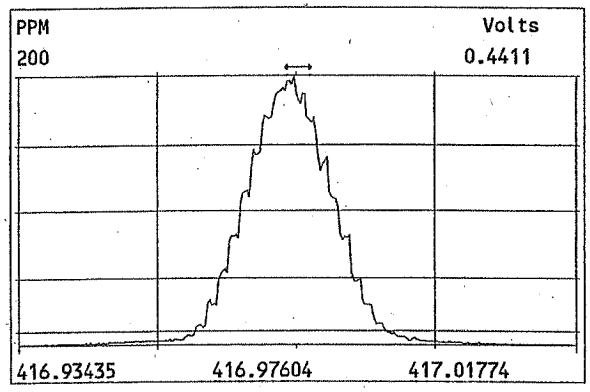


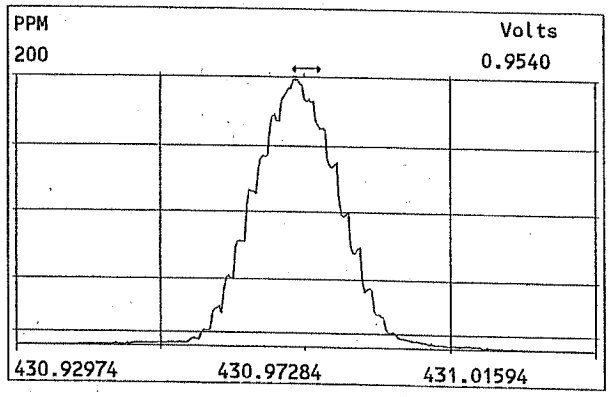


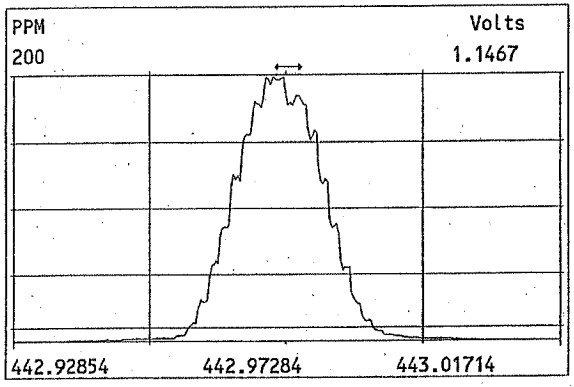


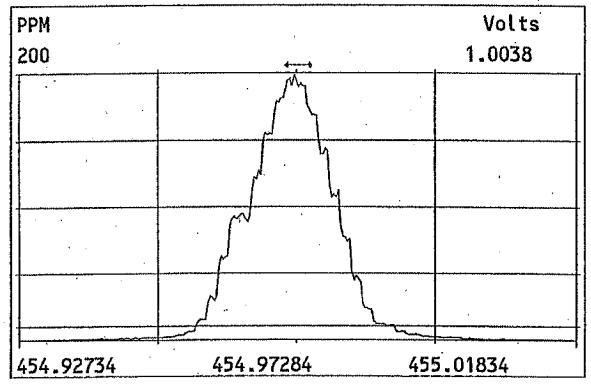
Peak Locate Examination:26-OCT-2006:12:58 File:26OCT06M
Experiment:PCDD Function:4 Reference:PFK

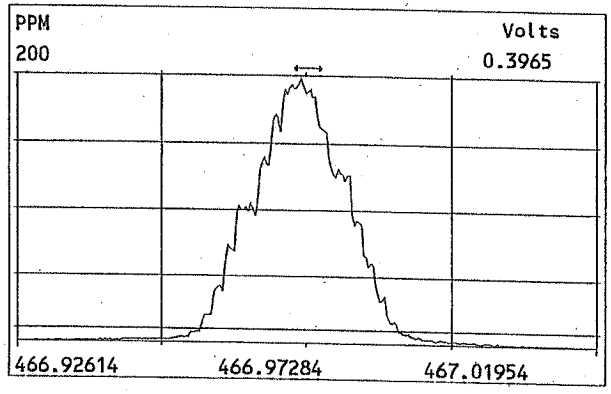


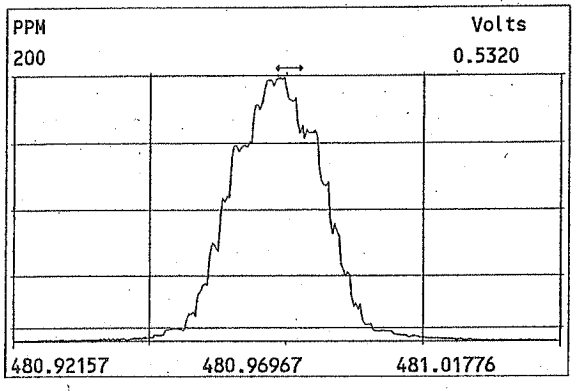




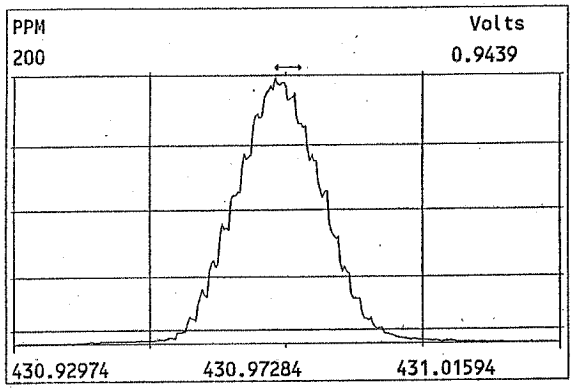


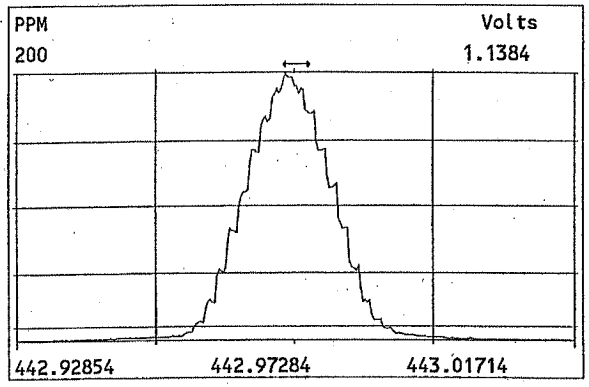


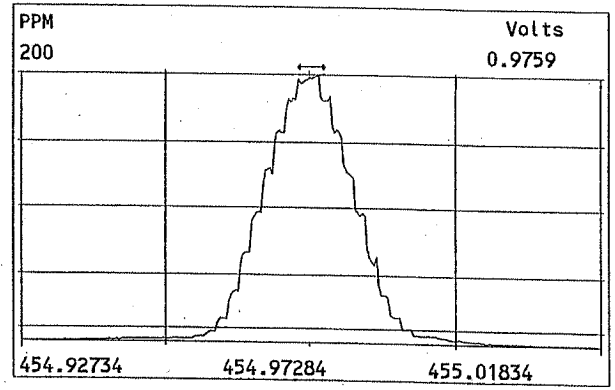


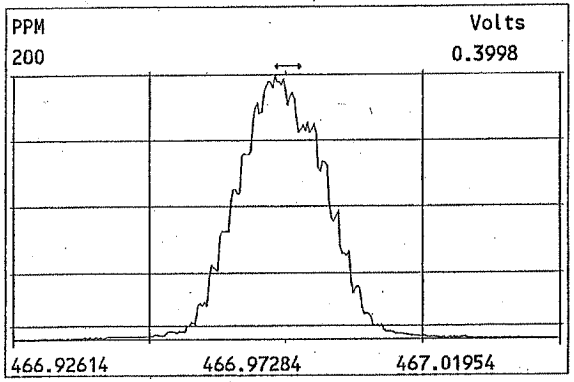


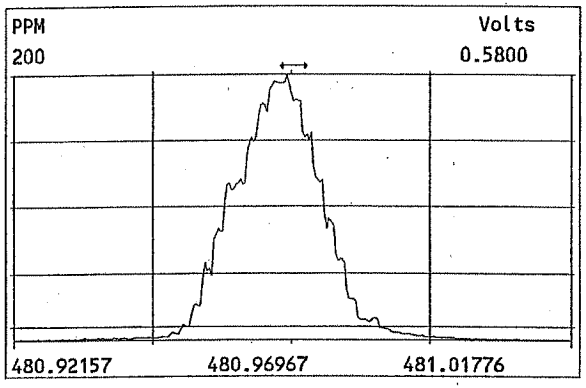
Peak Locate Examination:26-OCT-2006:12:59 File:26OCT06M
Experiment:PCDD Function:5 Reference:PFK

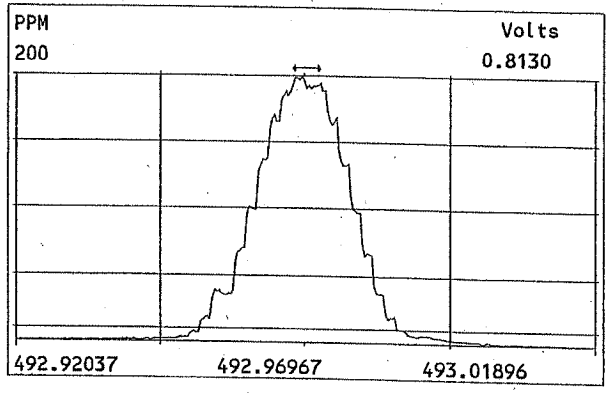


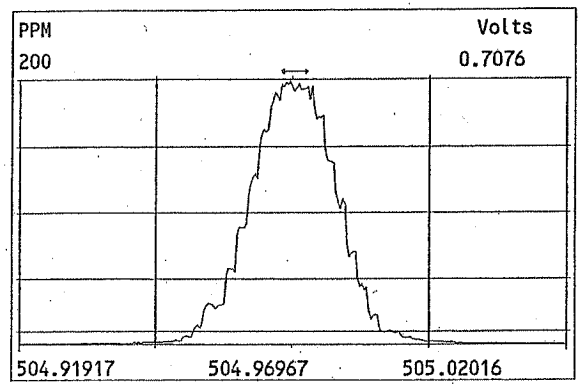


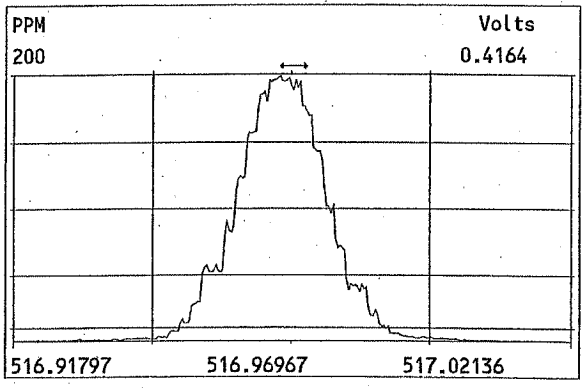




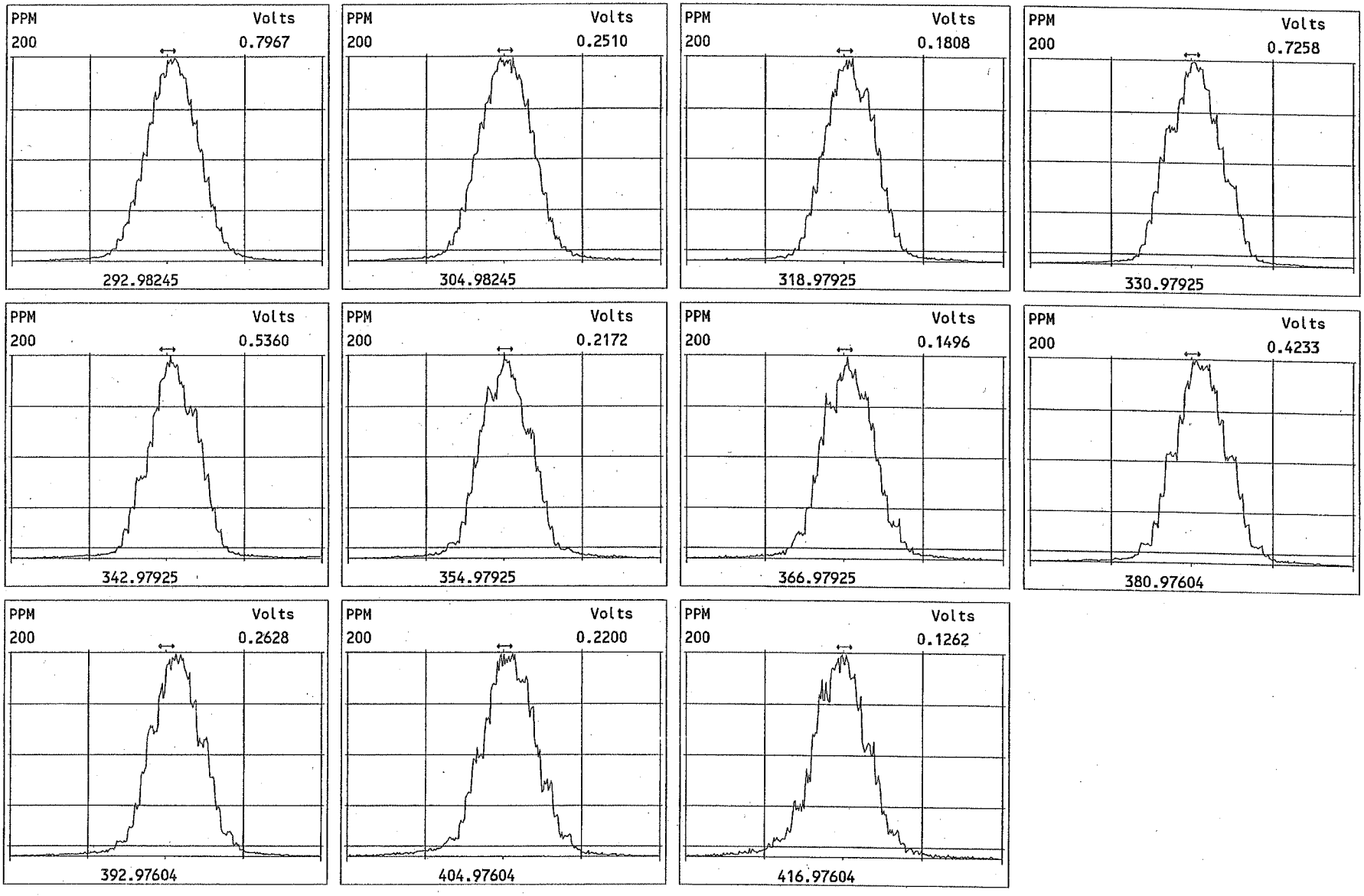




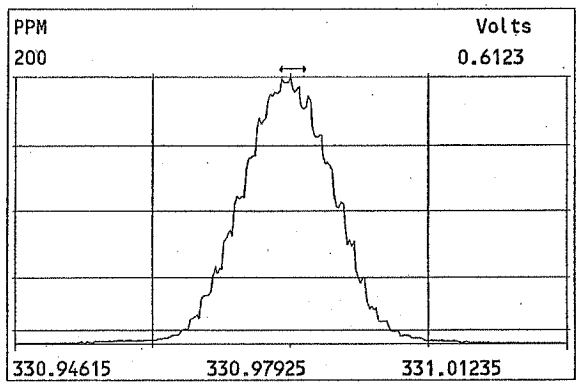


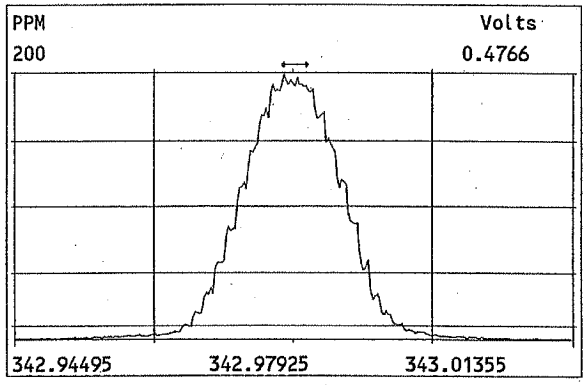


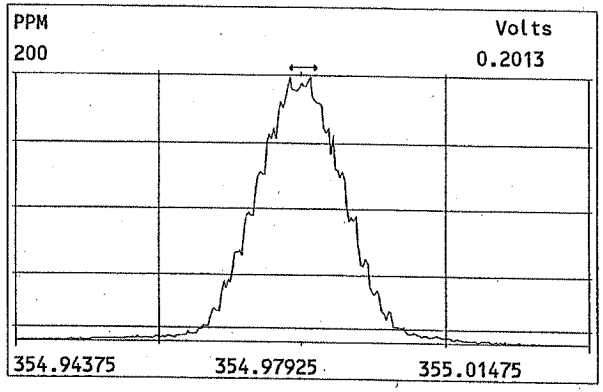
Peak Locate Examination:26-OCT-2006:23:11 File:26OCT06M_RES_CHECK
Experiment:PCDD Function:1 Reference:PFK

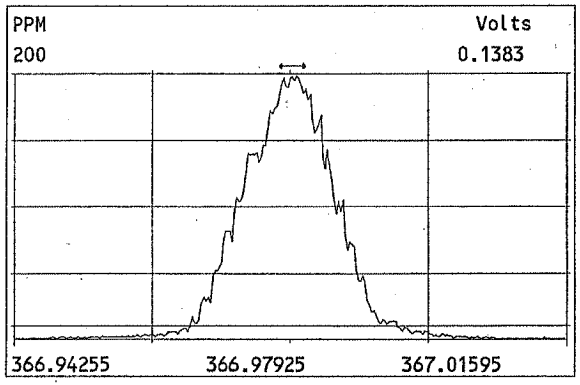


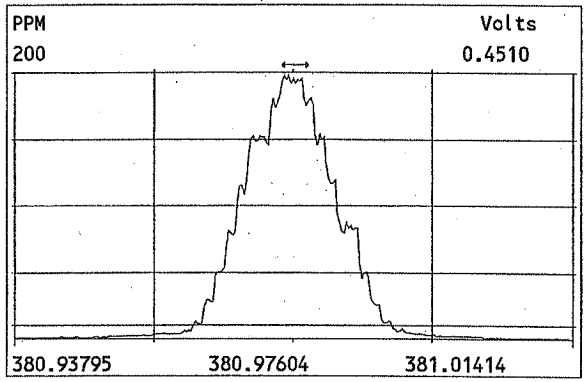
Peak Locate Examination:26-OCT-2006:23:13 File:26OCT06M_RES_CHECK
Experiment:PCDD Function:2 Reference:PFK

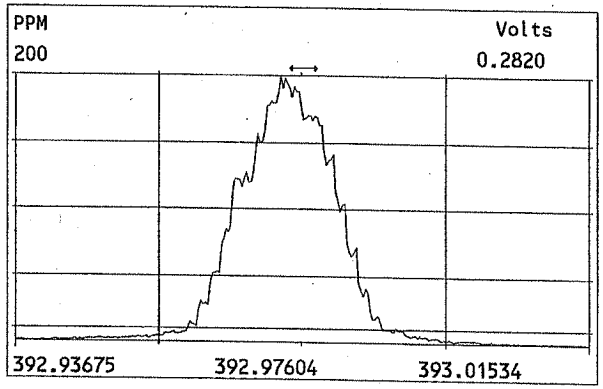


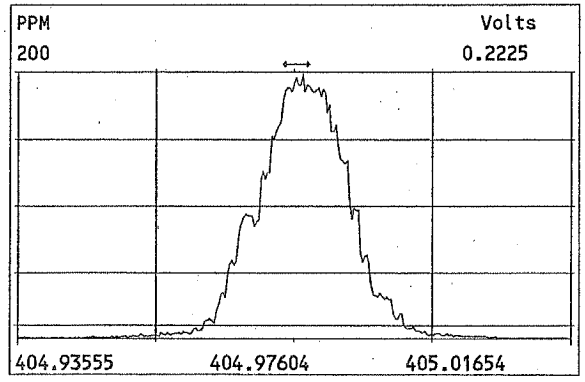


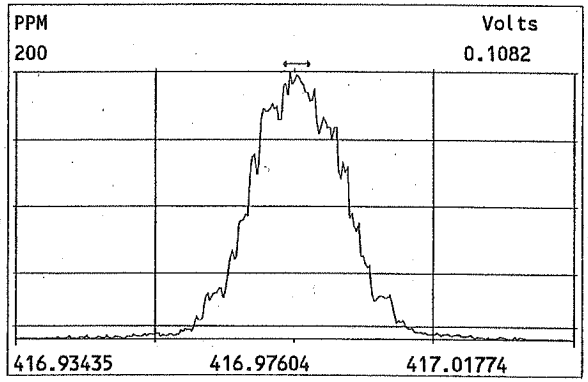




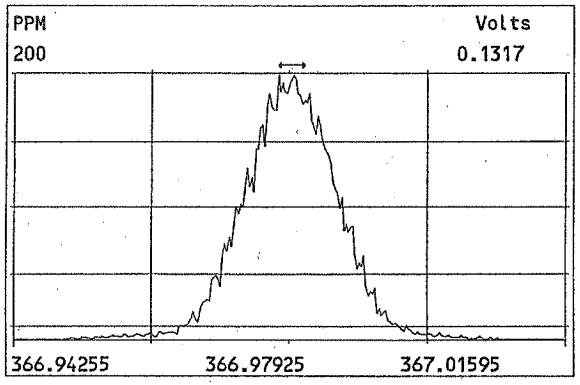


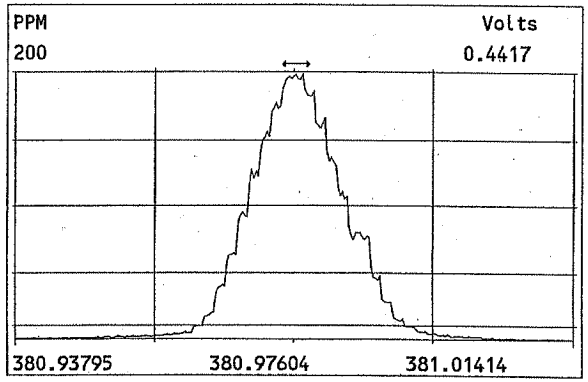


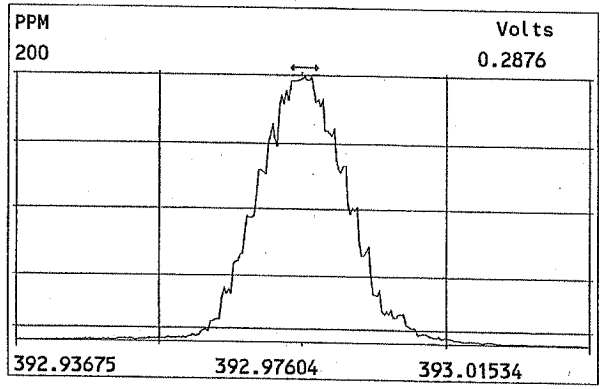


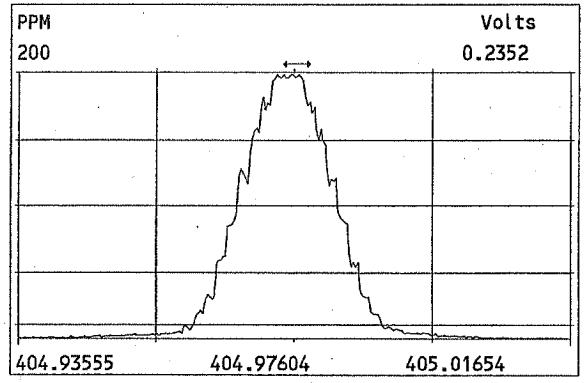


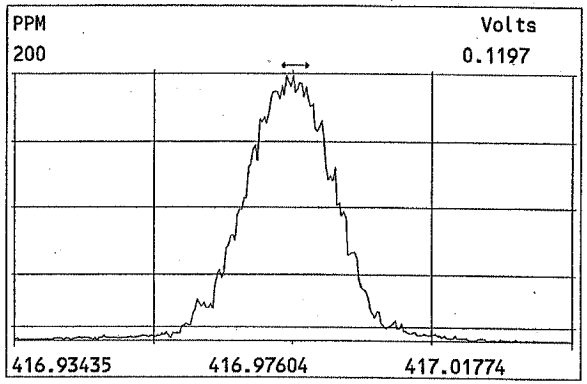
Peak Locate Examination:26-OCT-2006:23:15 File:26OCT06M_RES_CHECK
Experiment:PCDD Function:3 Reference:PFK

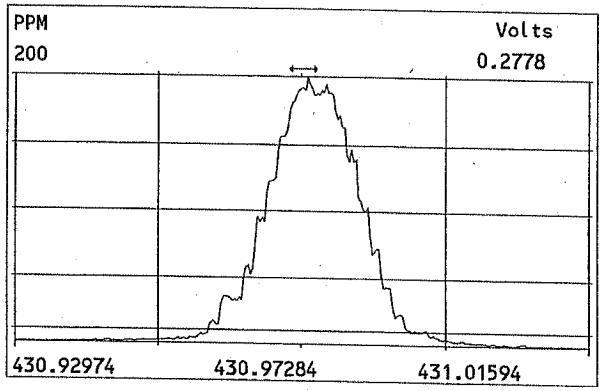


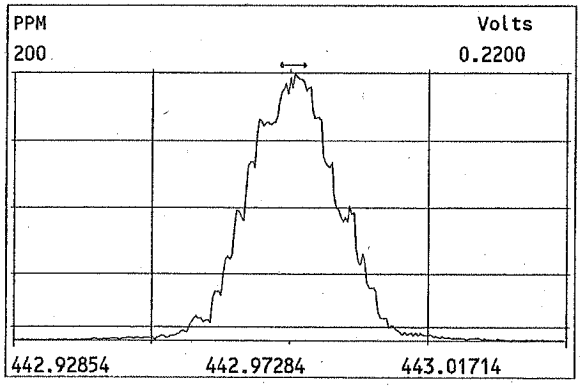


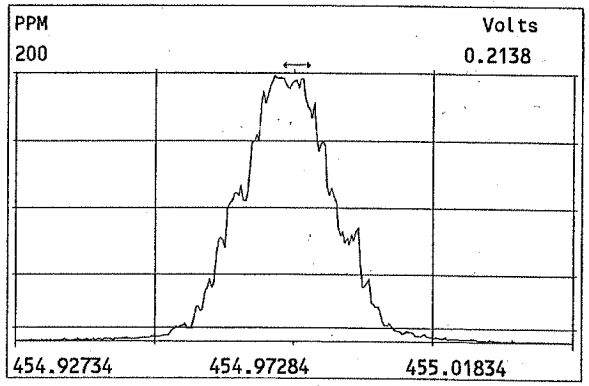




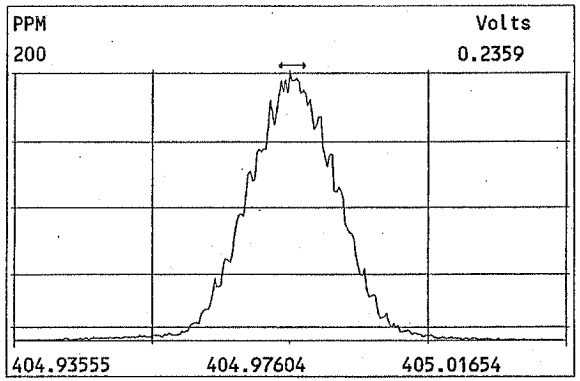


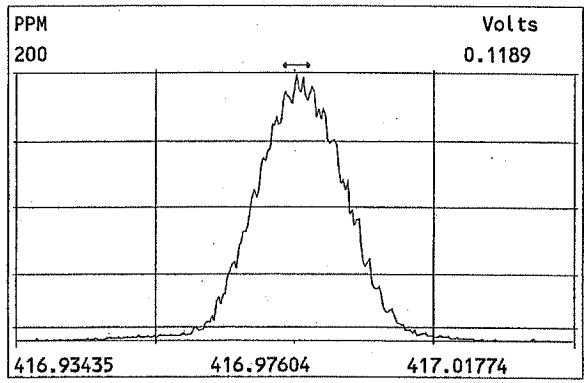


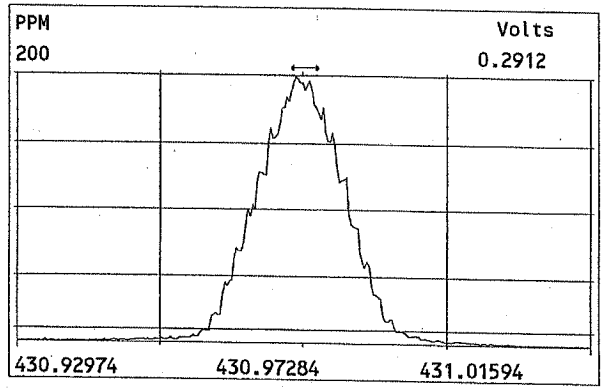


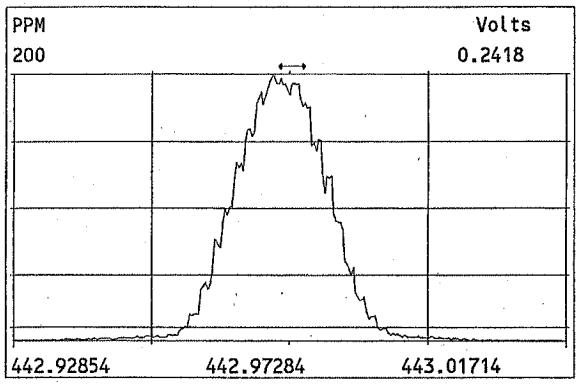


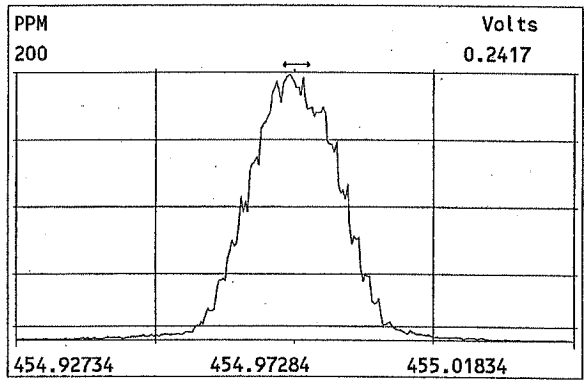
Peak Locate Examination:26-OCT-2006:23:17 File:26OCT06M_RES_CHECK
Experiment:PCDD Function:4 Reference:PFK

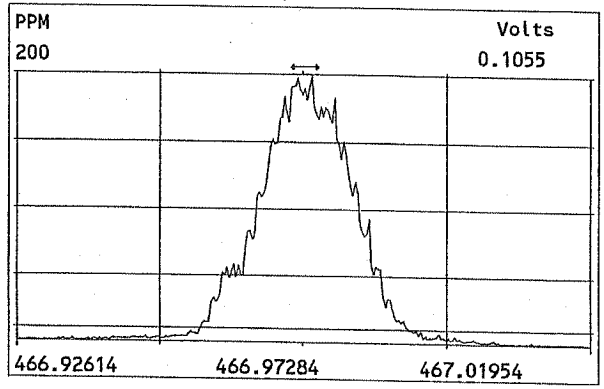


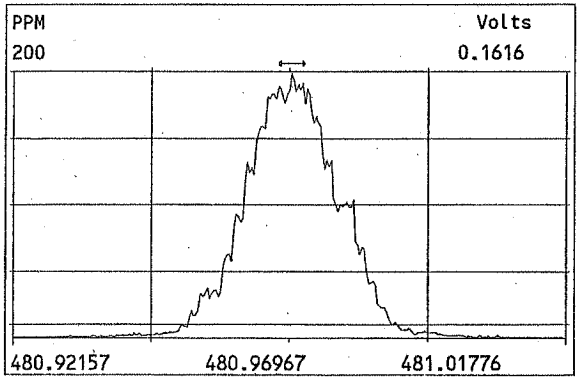






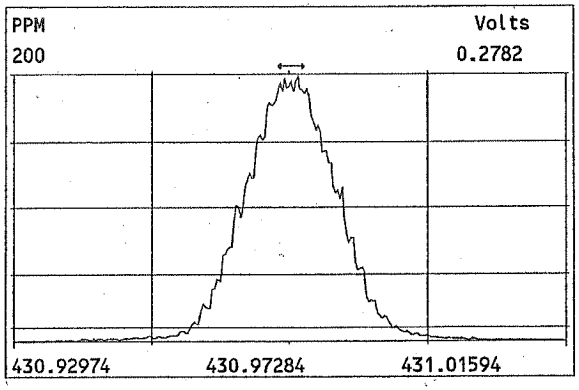


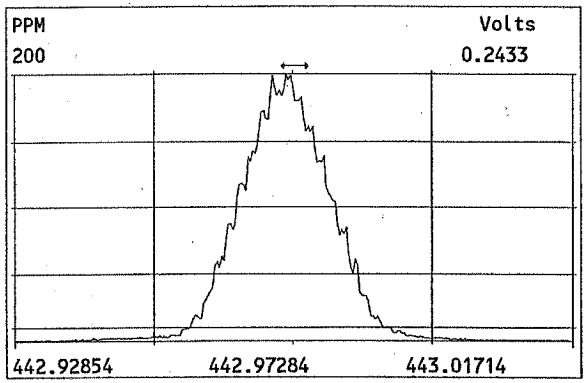


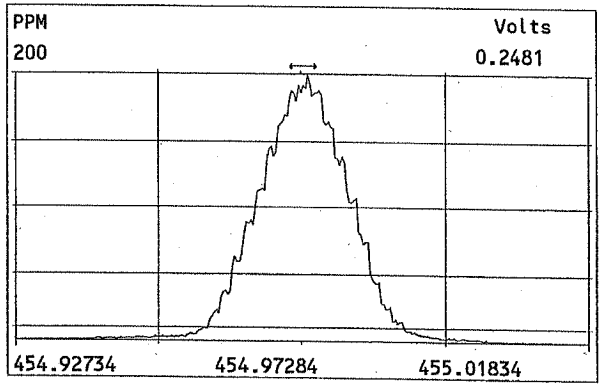


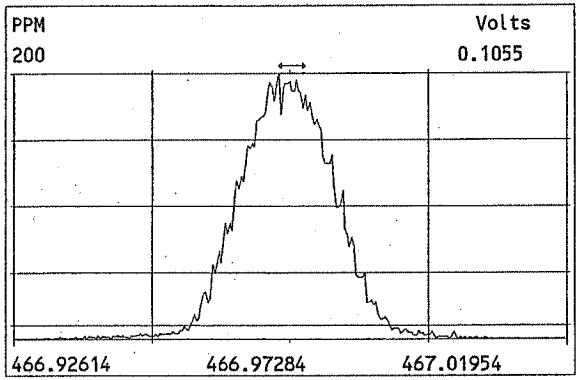
Peak Locate Examination:26-OCT-2006:23:19 File:26OCT06M_RES_CHECK

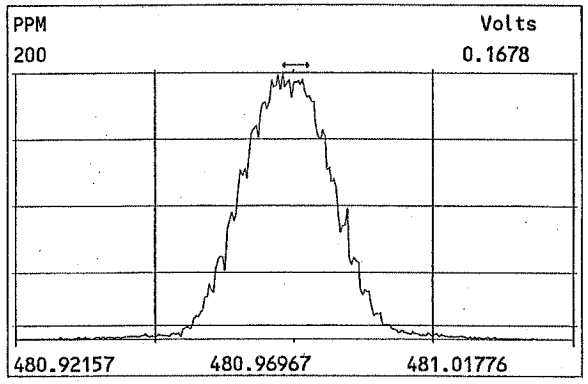
Experiment:PCDD Function:5 Reference:PFK

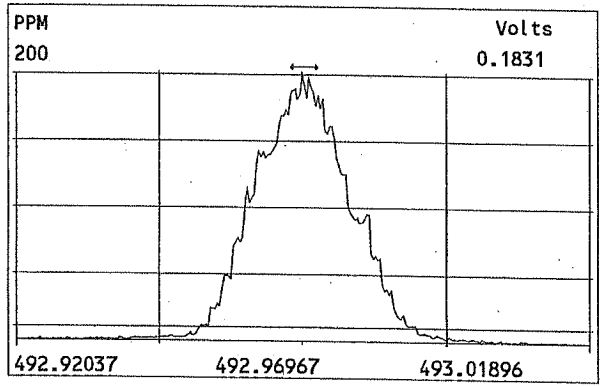


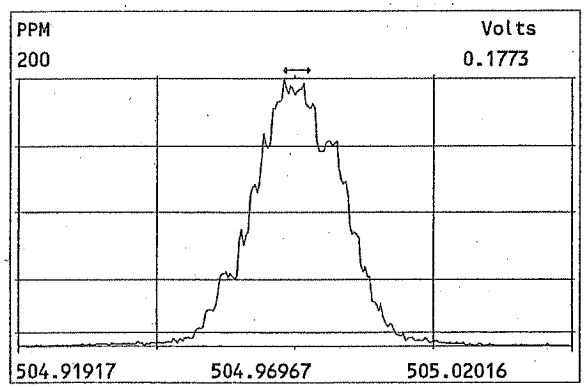


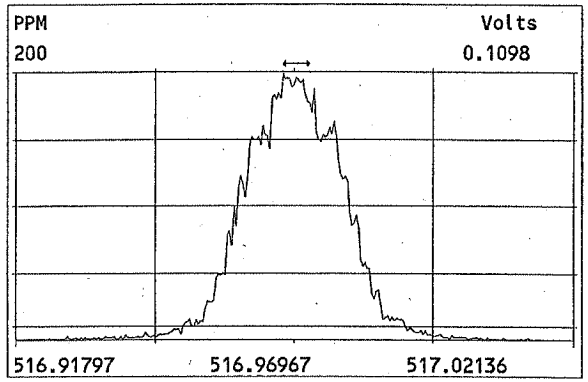




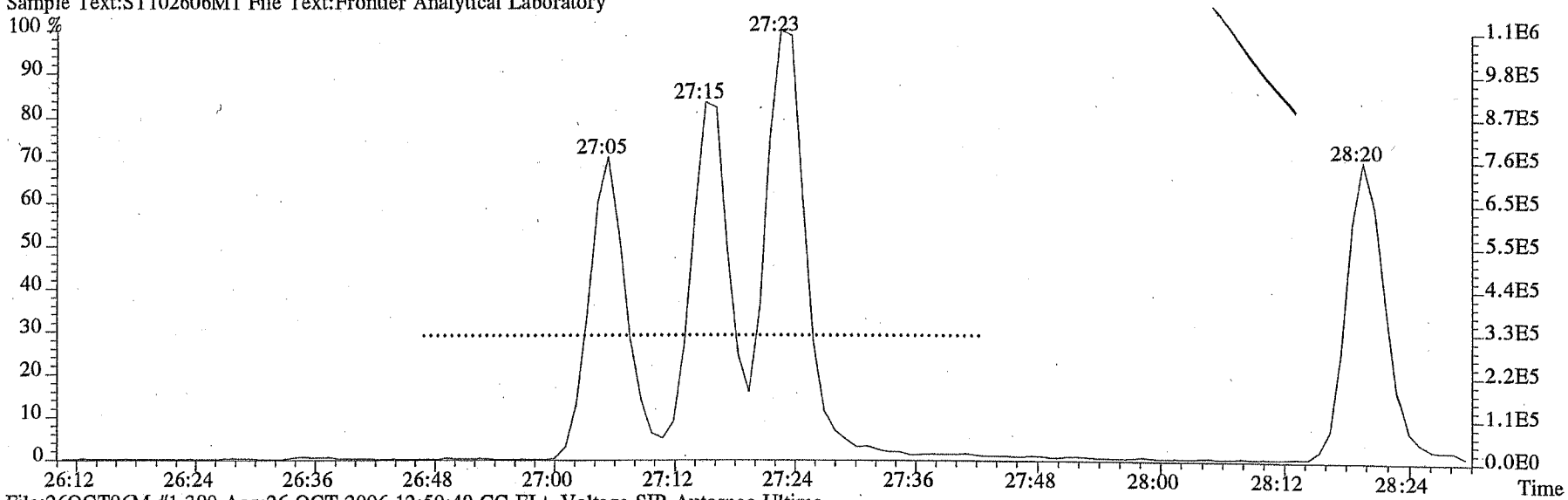




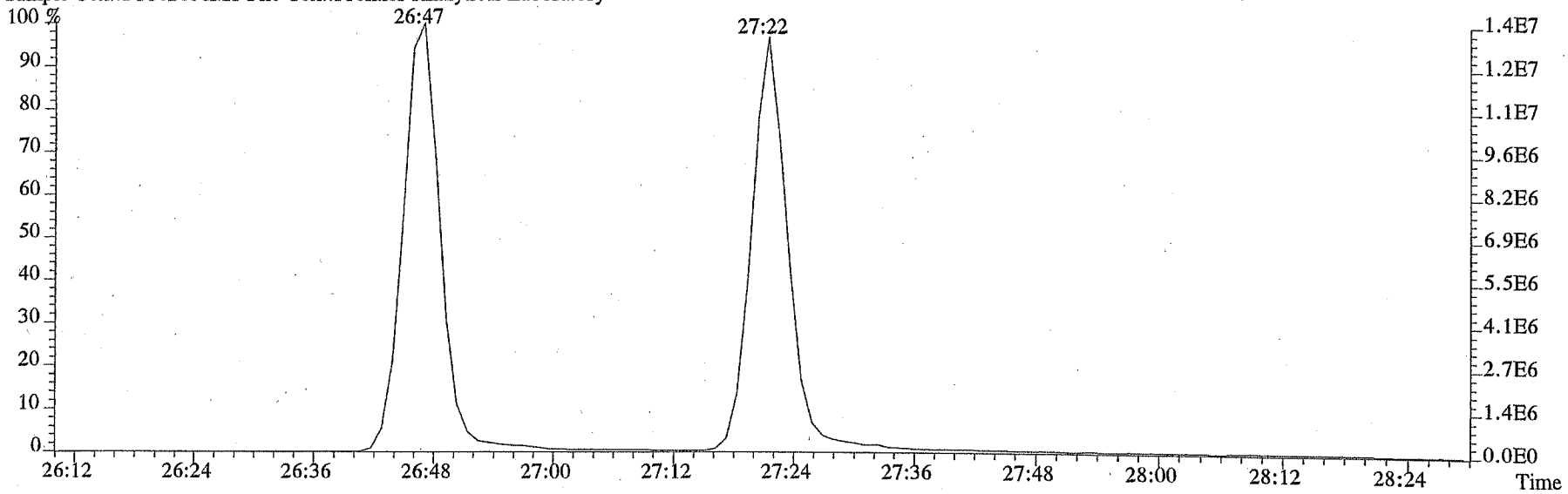




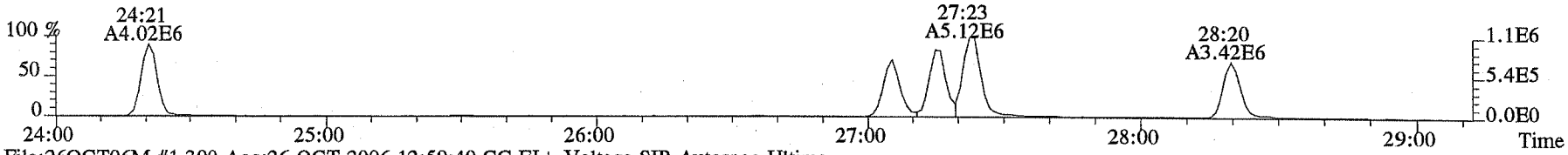
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
319.8965 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory



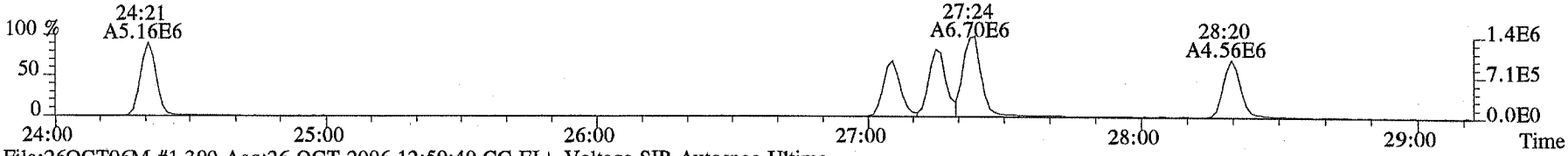
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
333.9339 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory



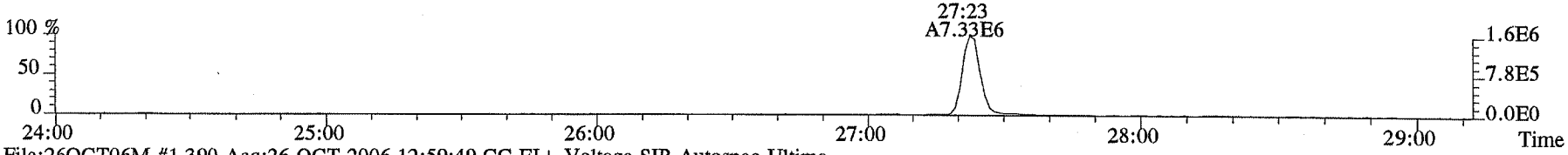
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



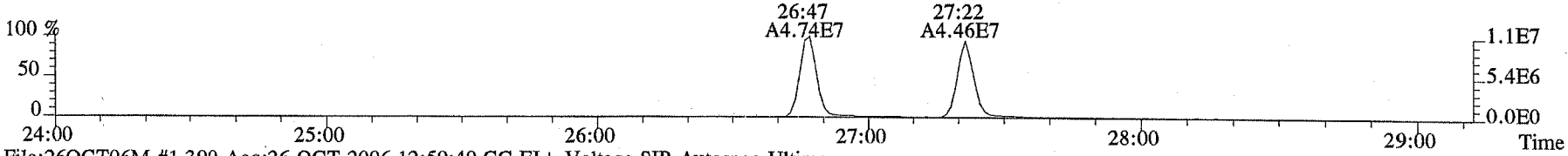
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



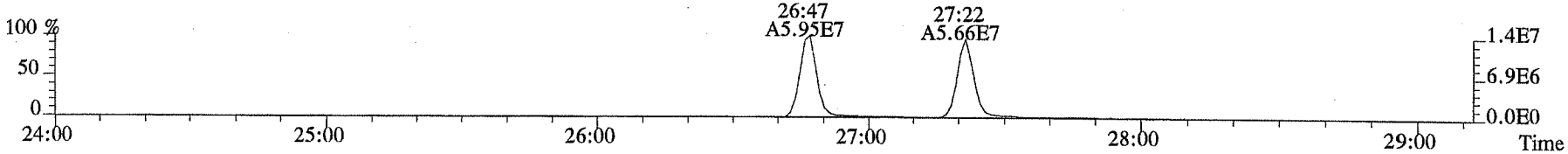
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



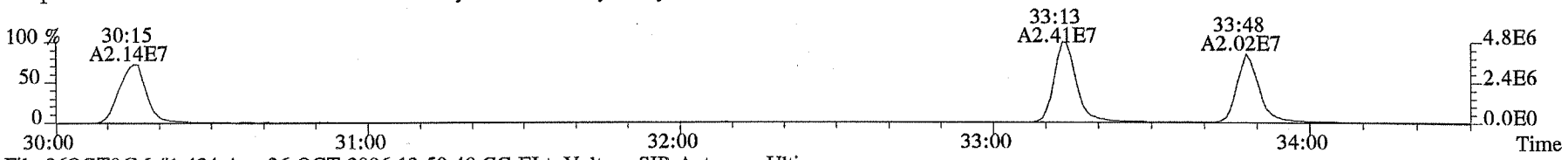
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



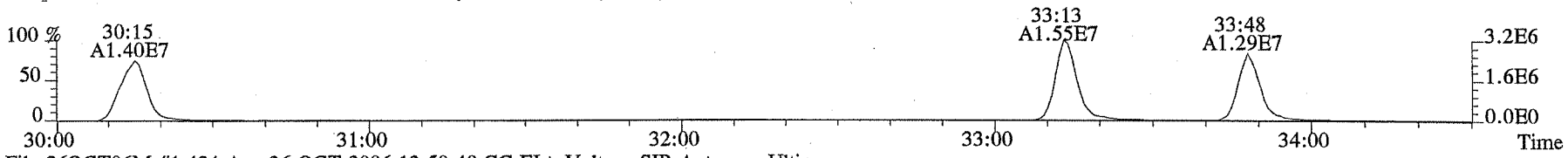
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



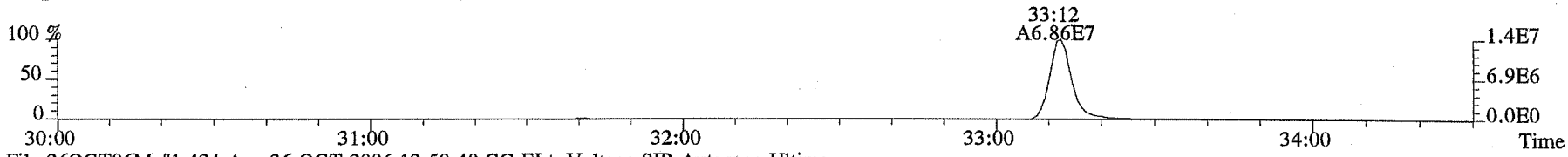
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



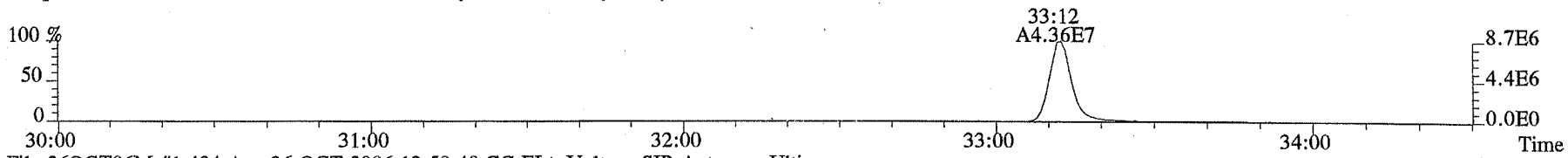
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
357.8517 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



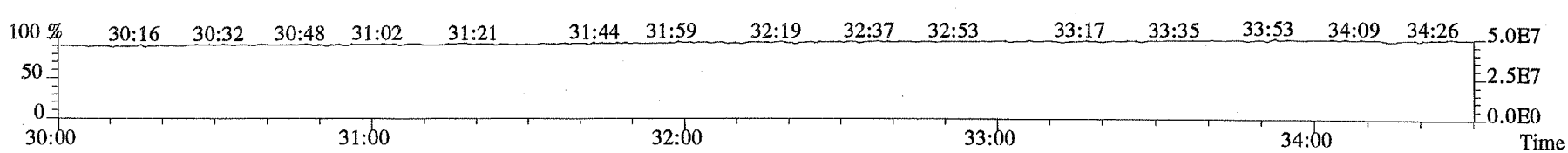
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



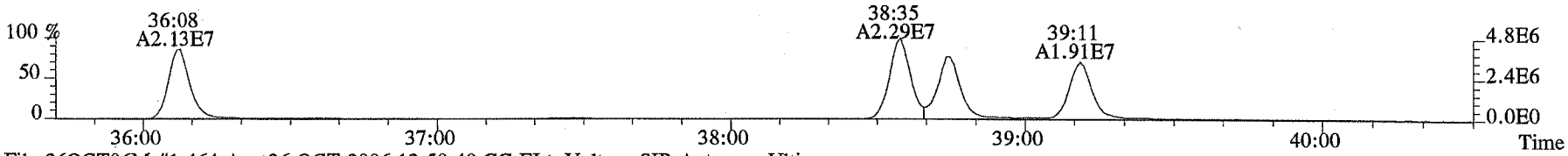
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
369.8919 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



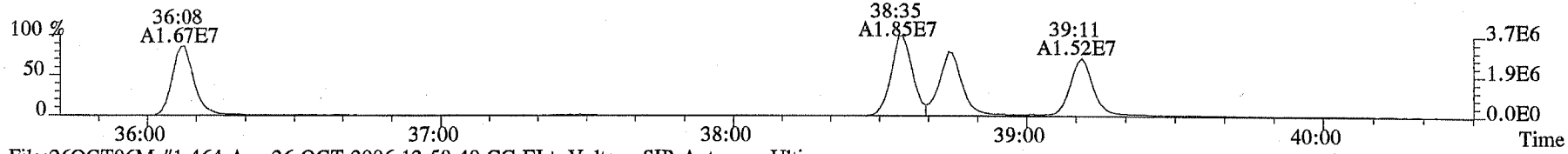
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
366.9792 F:2 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



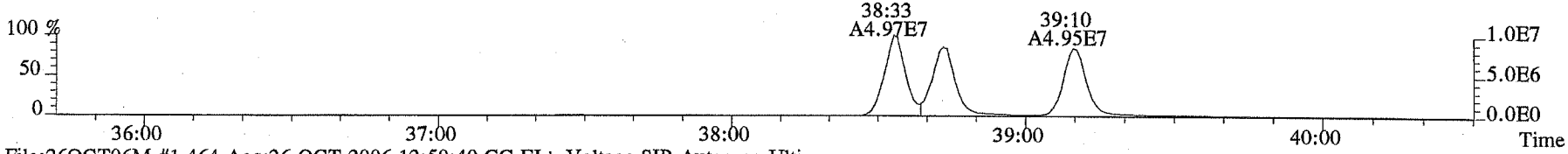
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



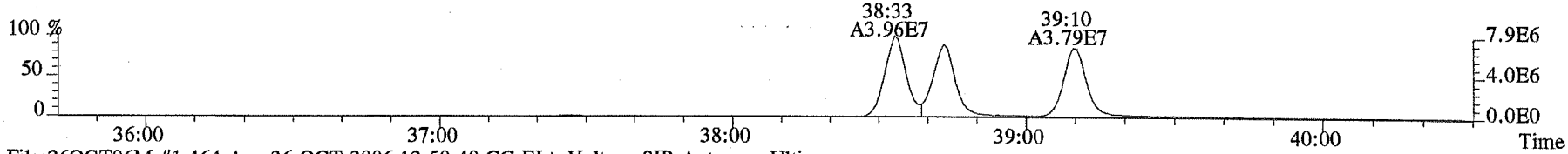
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



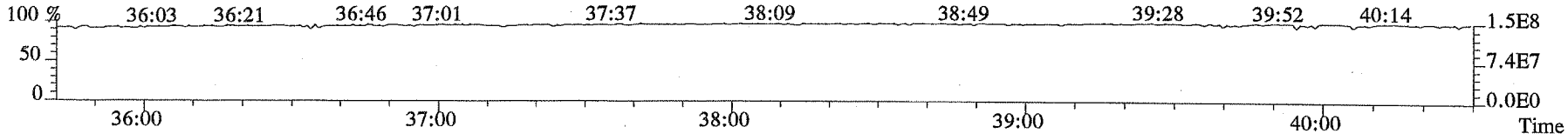
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



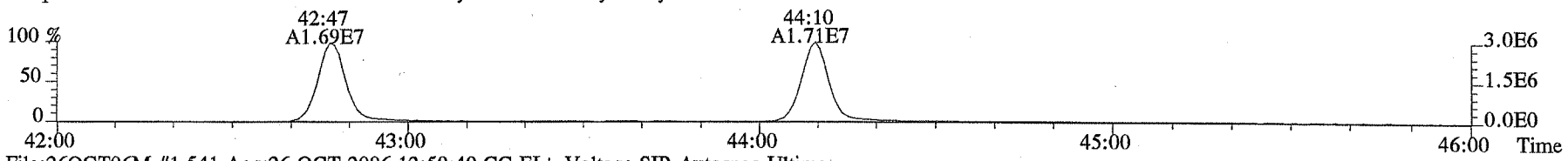
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



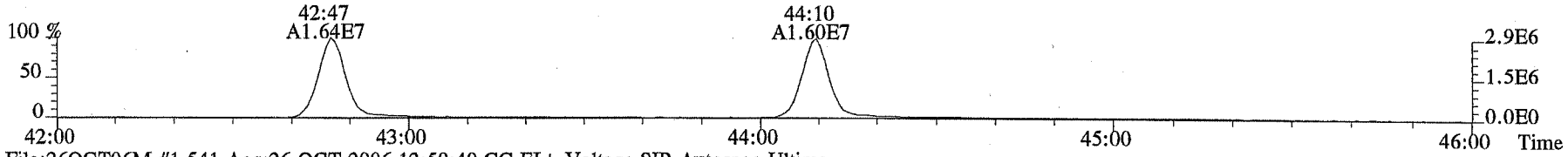
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
380.9760 F:3 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



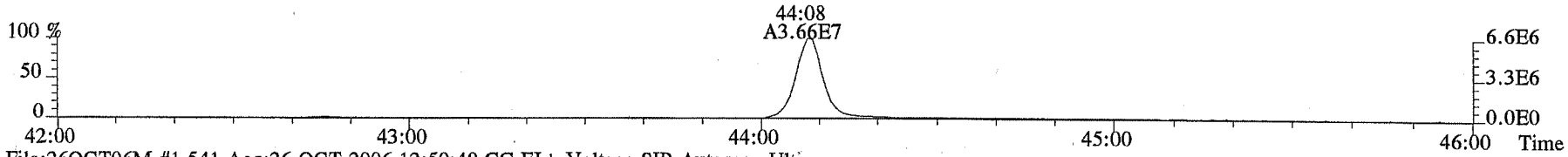
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



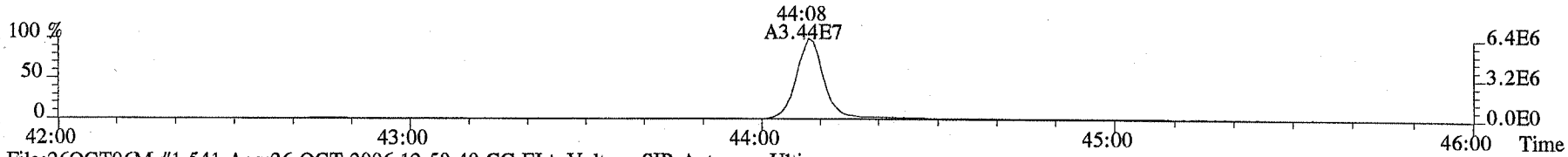
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



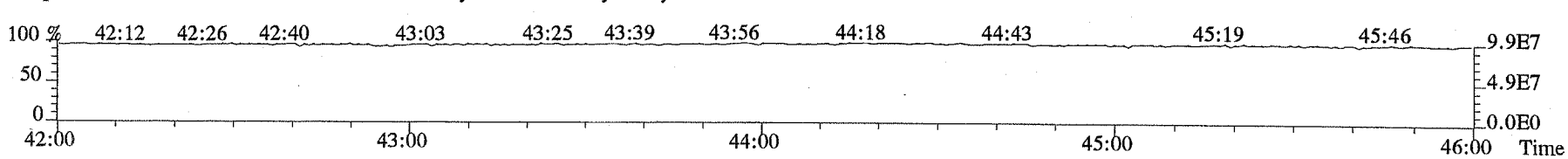
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



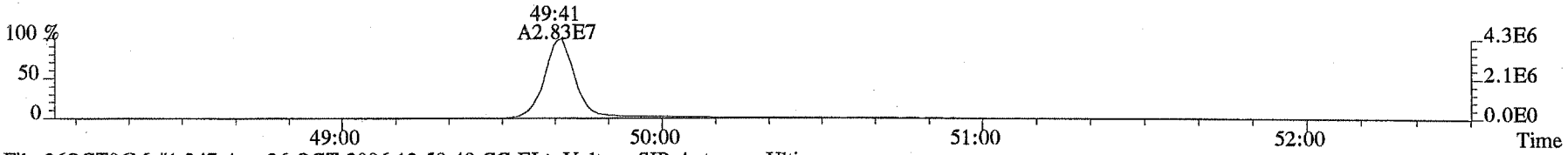
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



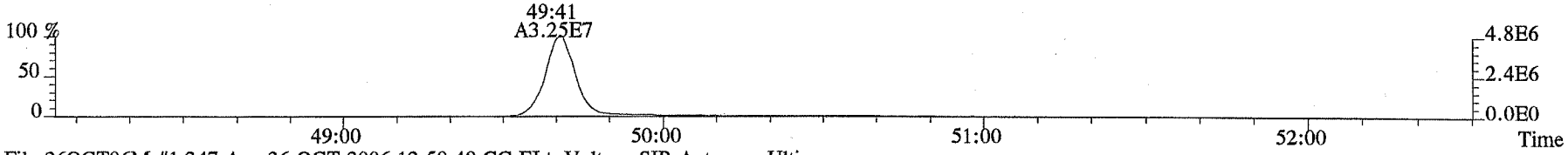
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
430.9728 F:4 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



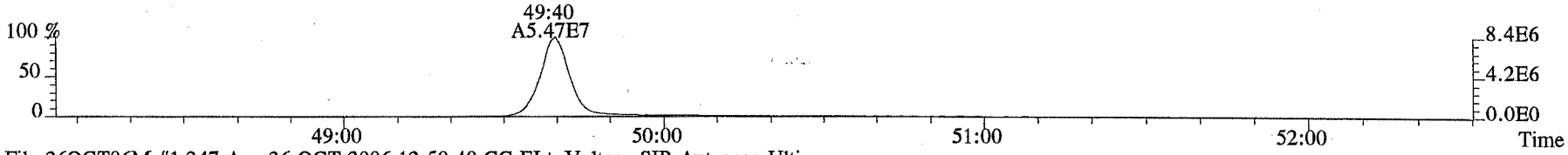
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



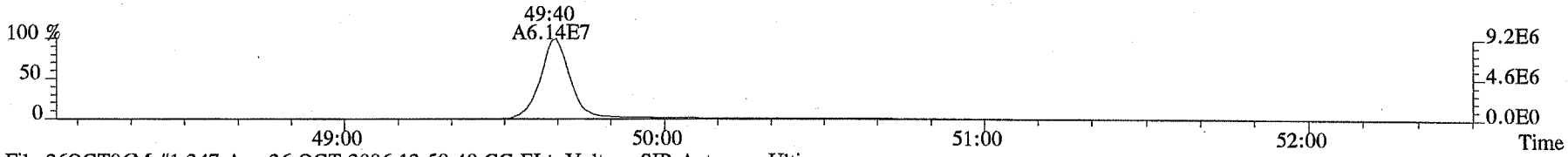
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



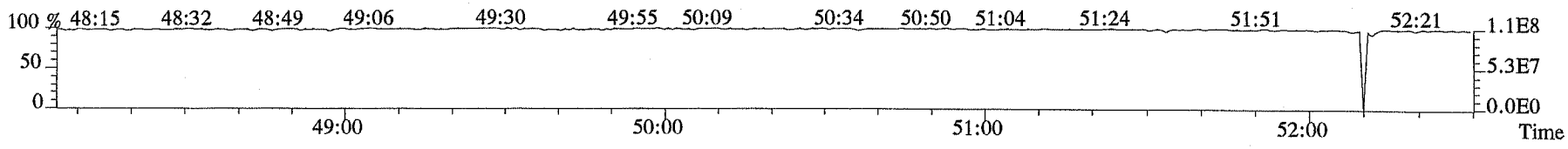
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



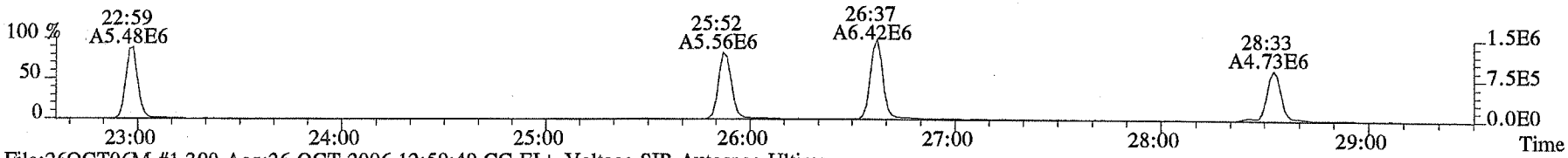
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



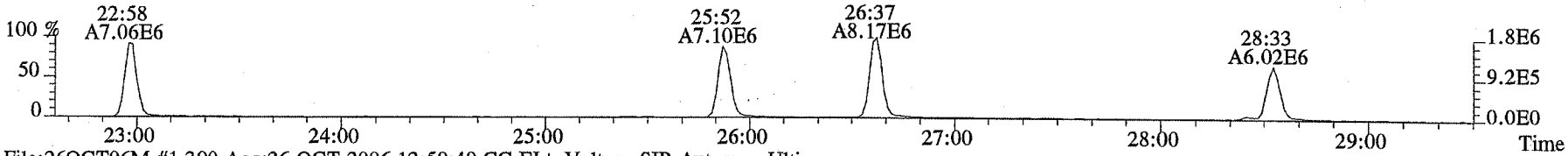
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



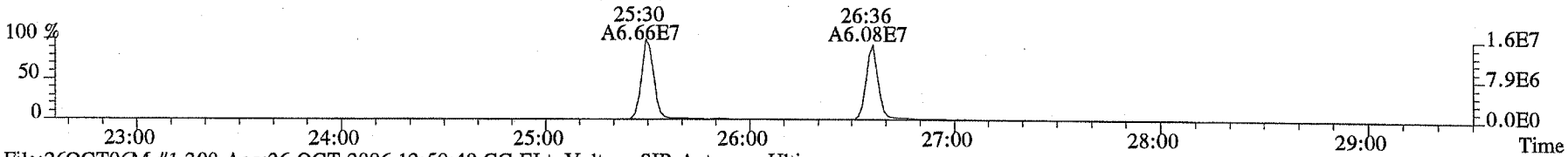
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



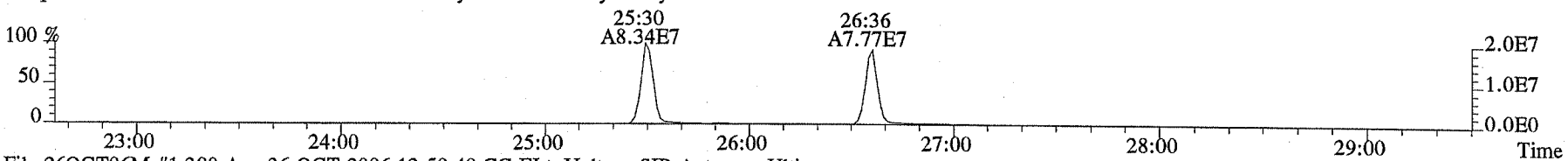
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



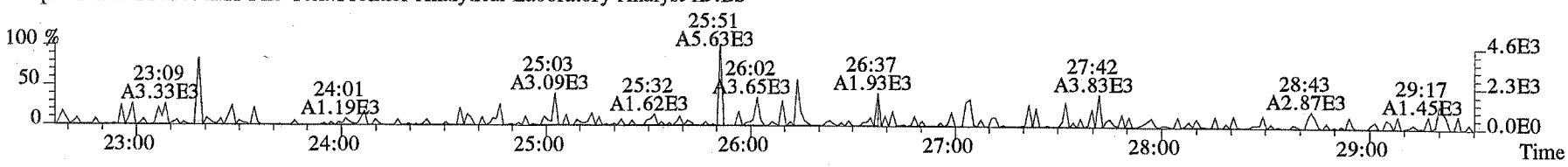
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



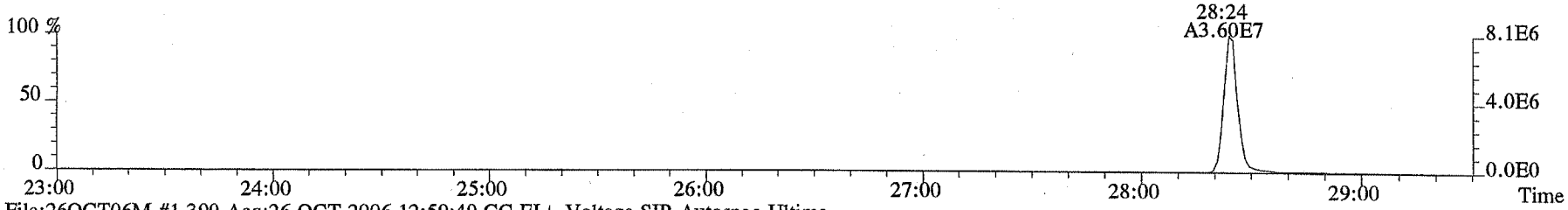
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



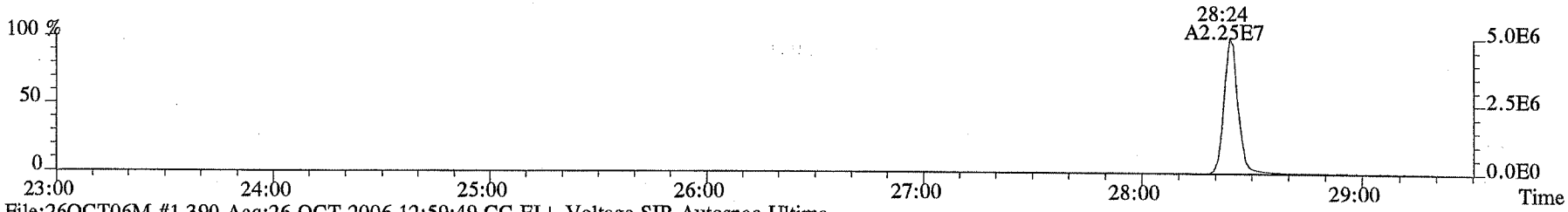
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



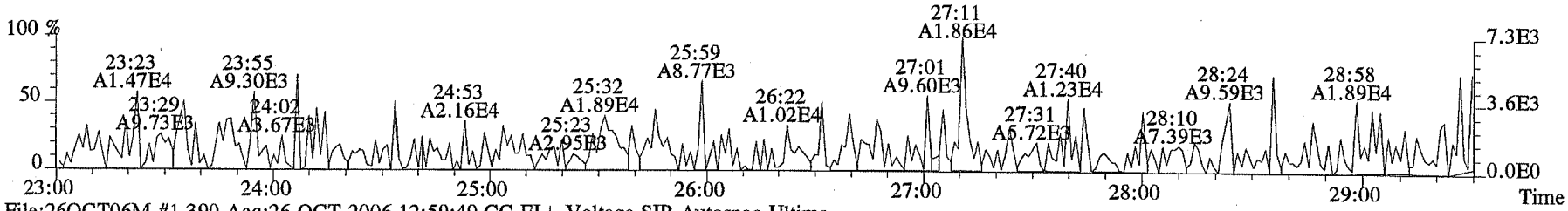
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



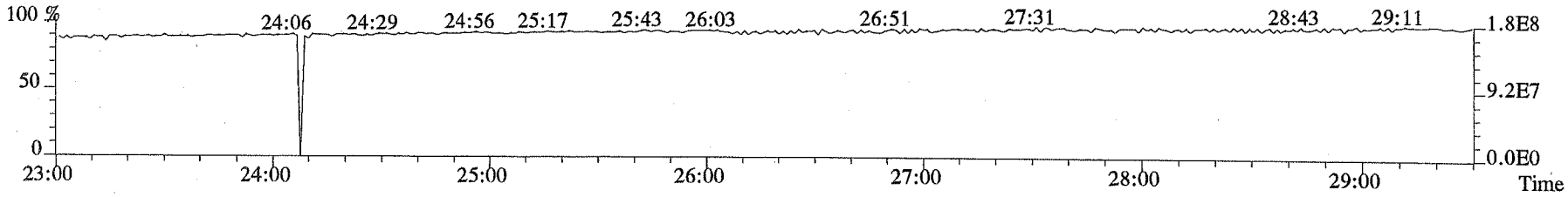
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



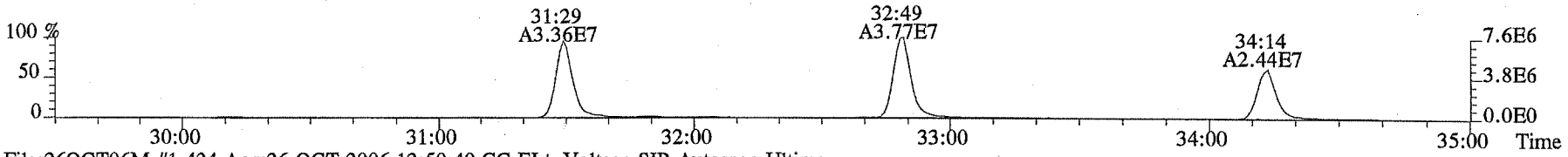
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



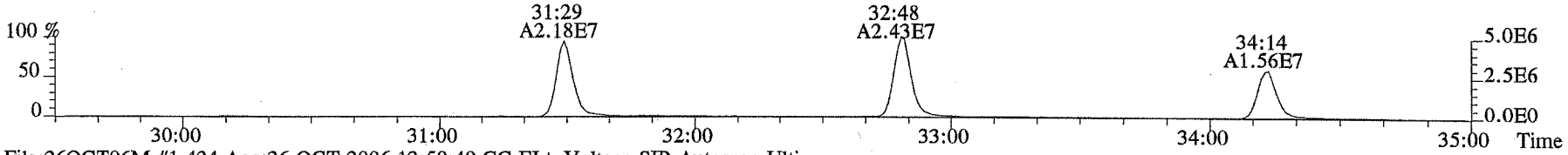
File:26OCT06M #1-390 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
330.9792 Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



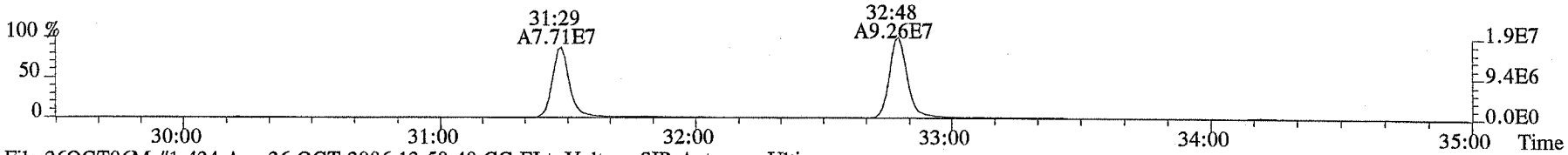
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



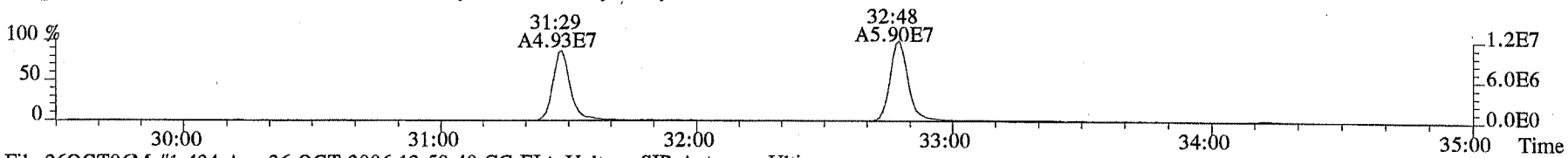
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



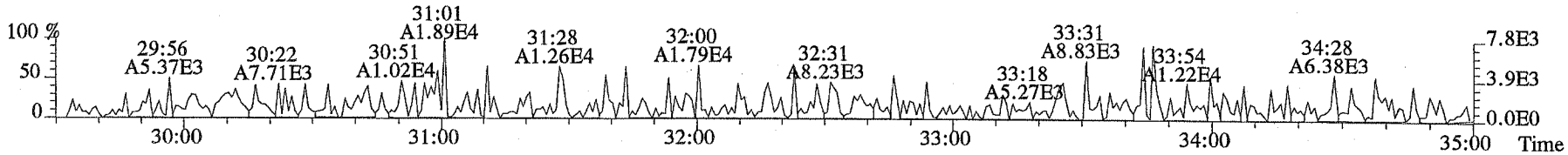
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



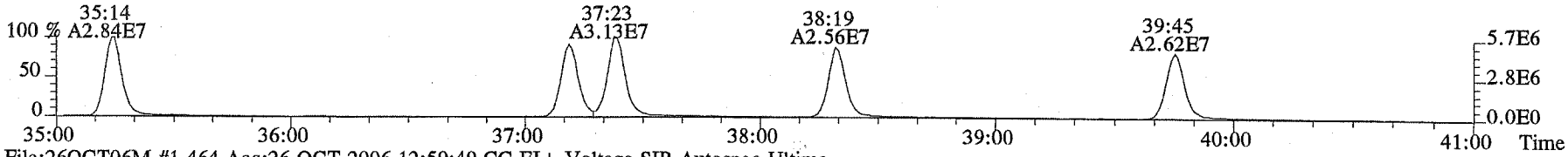
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



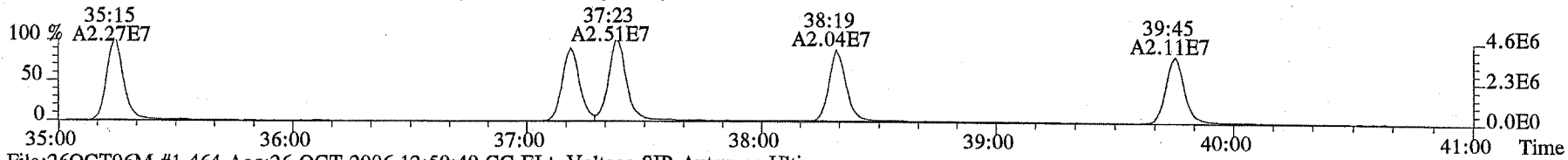
File:26OCT06M #1-424 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



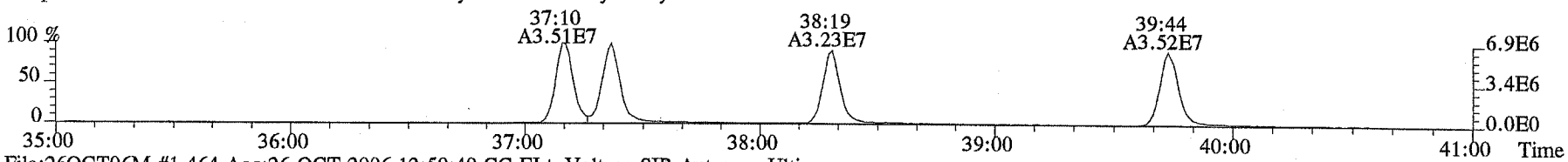
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



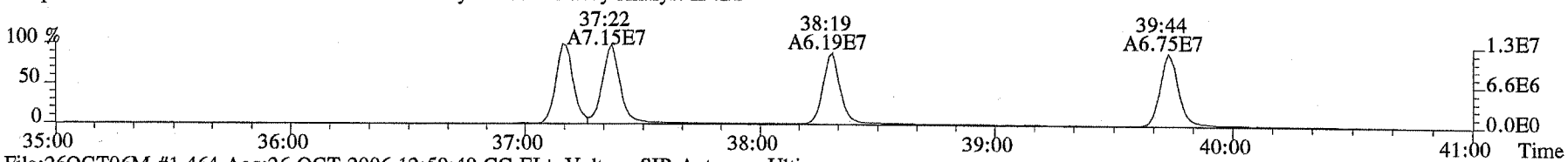
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



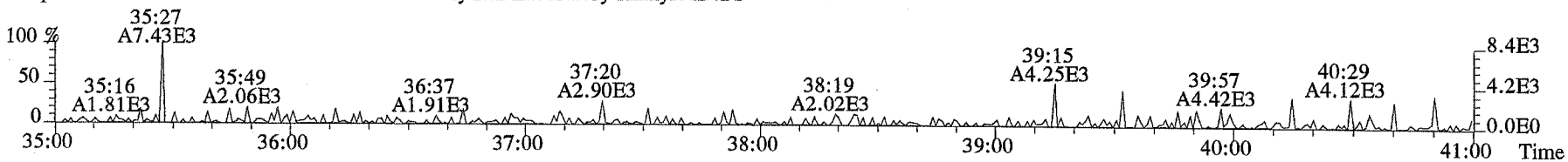
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



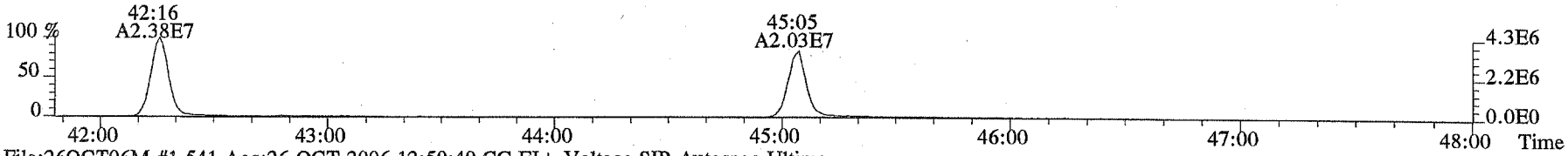
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



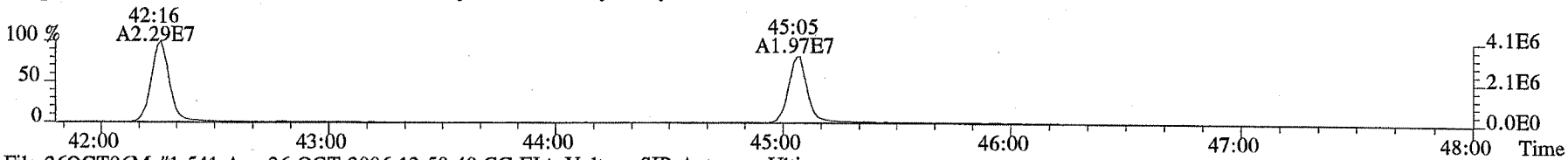
File:26OCT06M #1-464 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



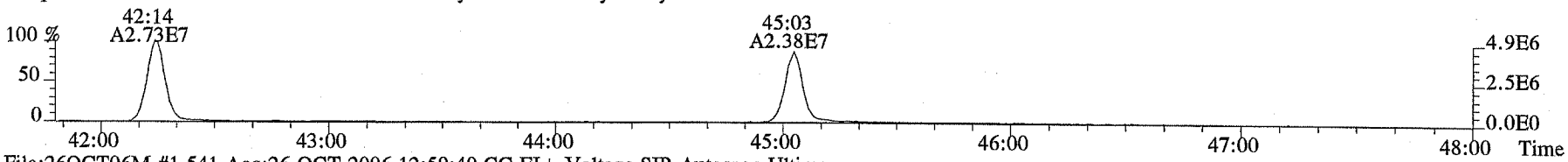
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



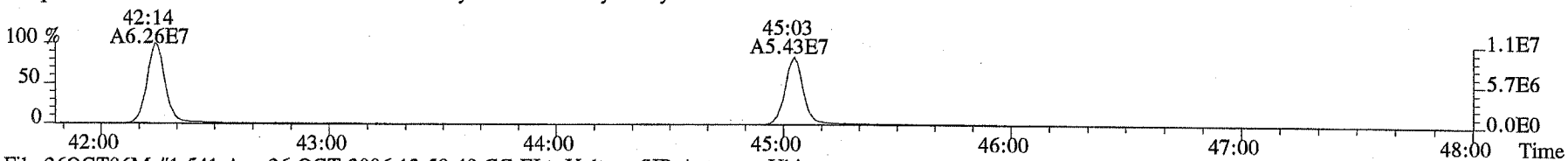
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



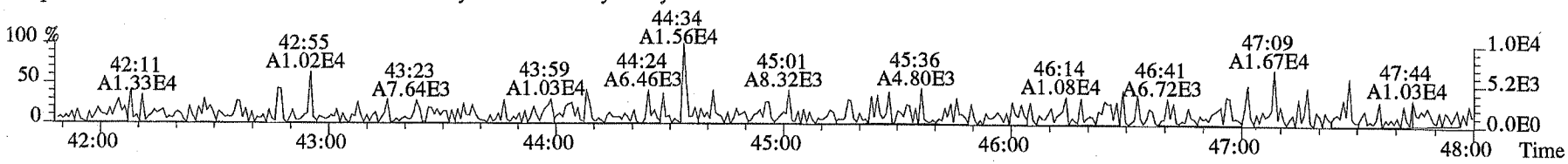
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



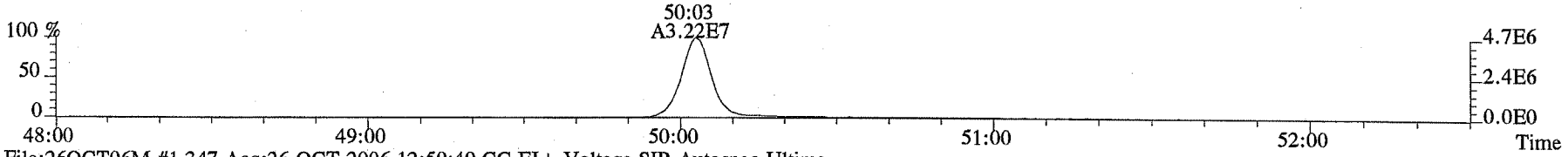
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



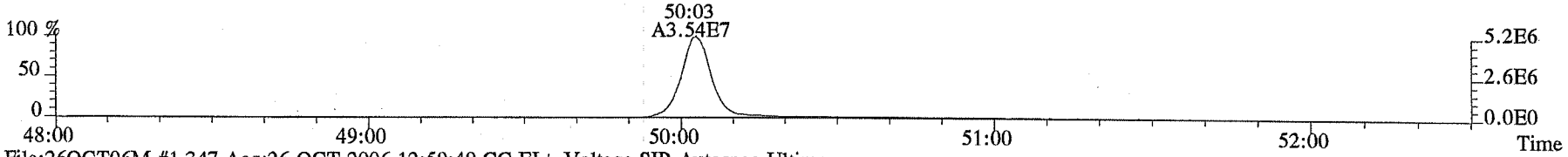
File:26OCT06M #1-541 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



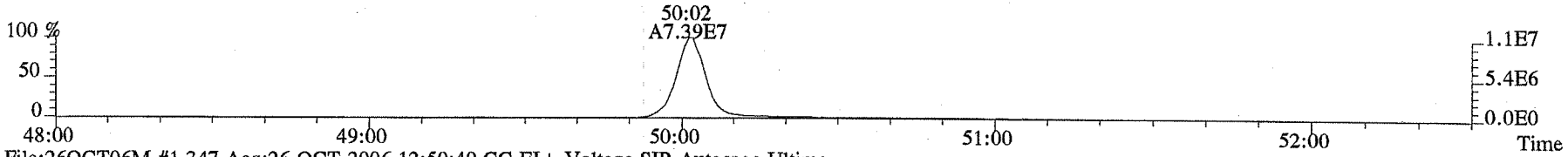
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



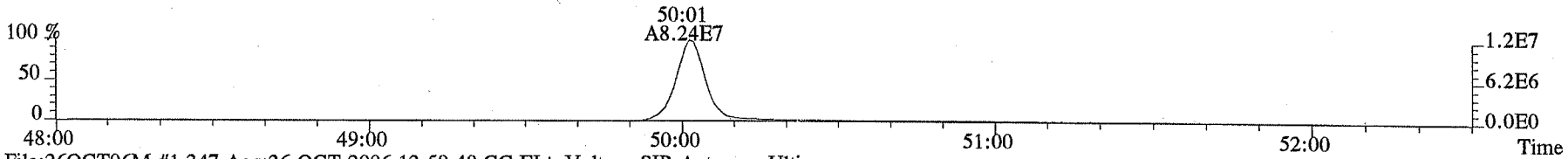
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



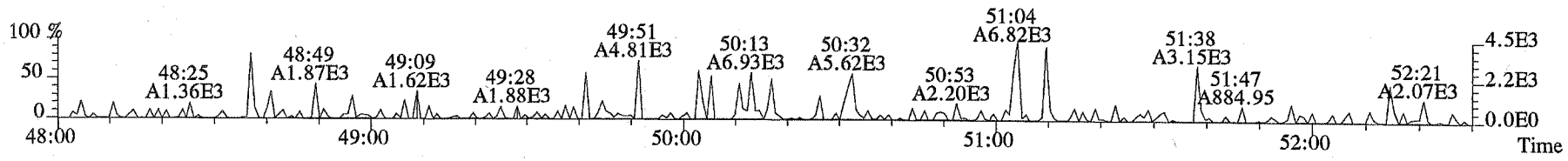
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



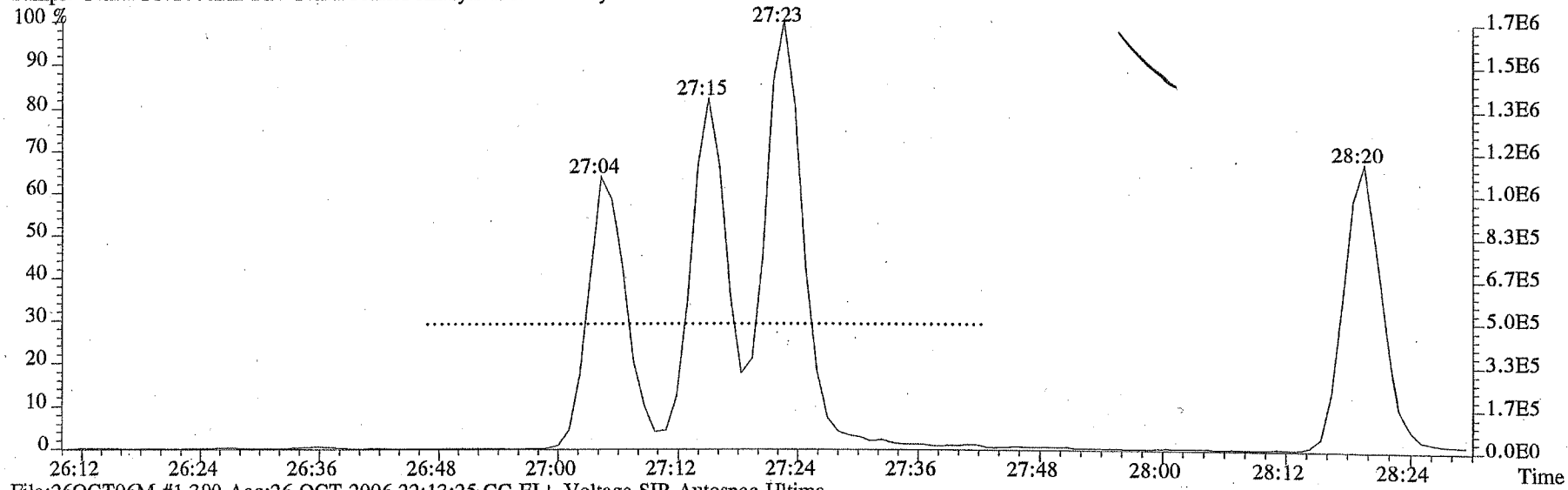
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



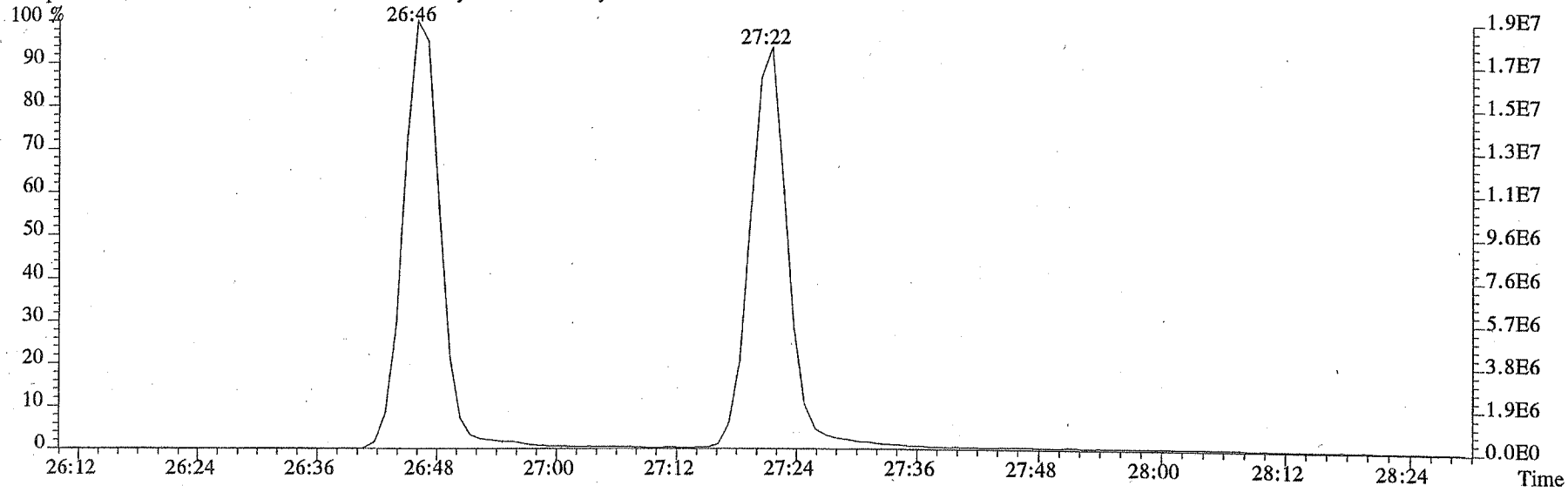
File:26OCT06M #1-347 Acq:26-OCT-2006 12:59:49 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



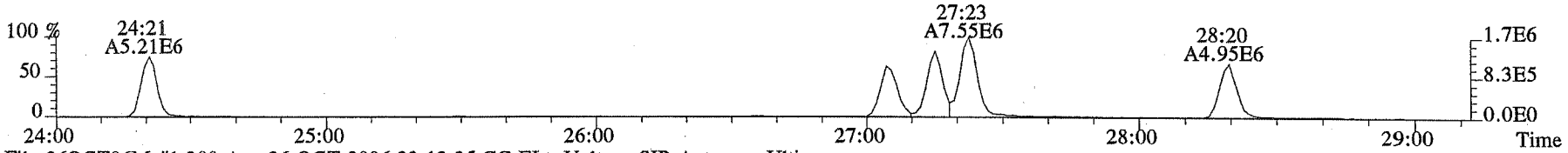
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:11 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory



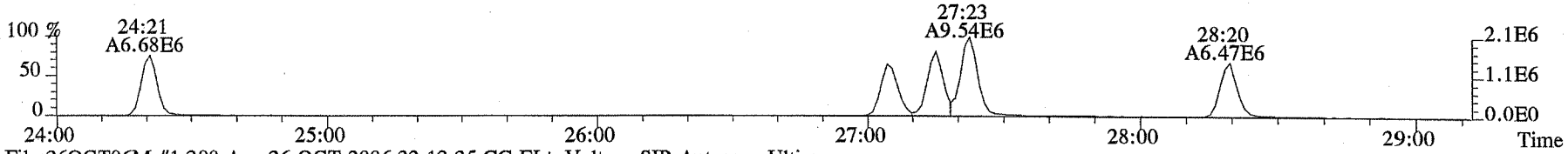
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:11 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory



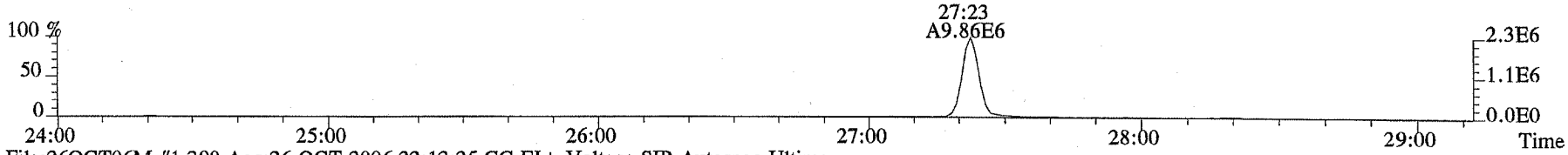
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



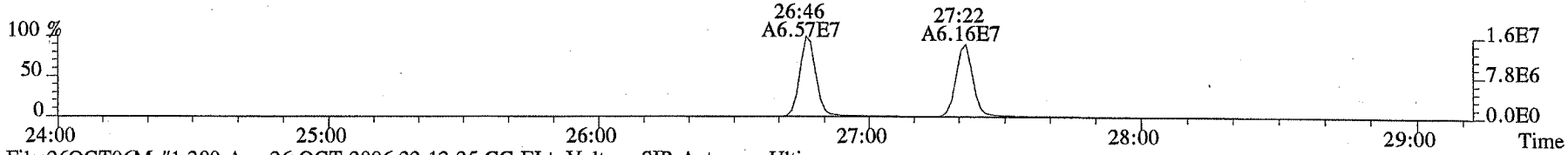
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



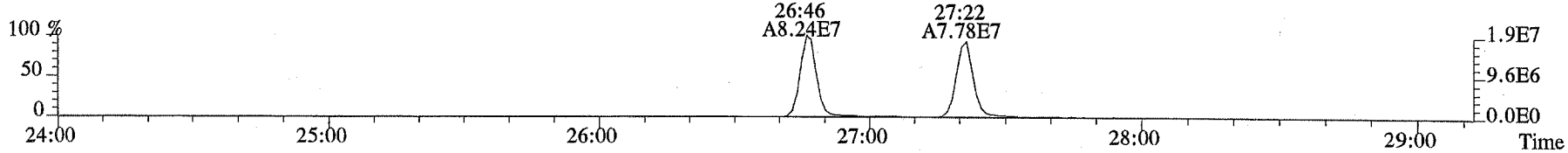
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



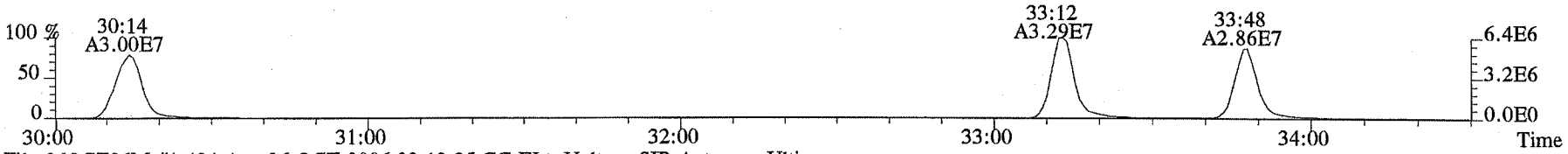
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



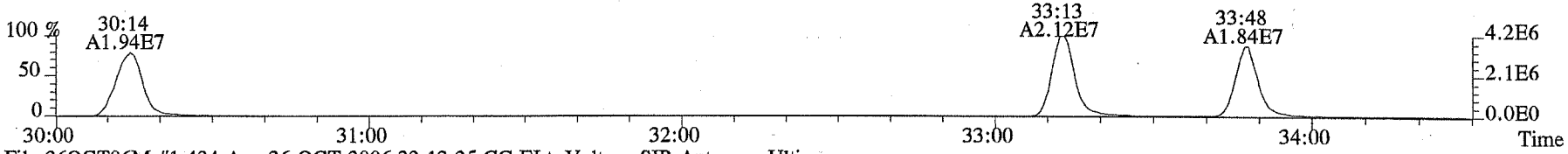
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



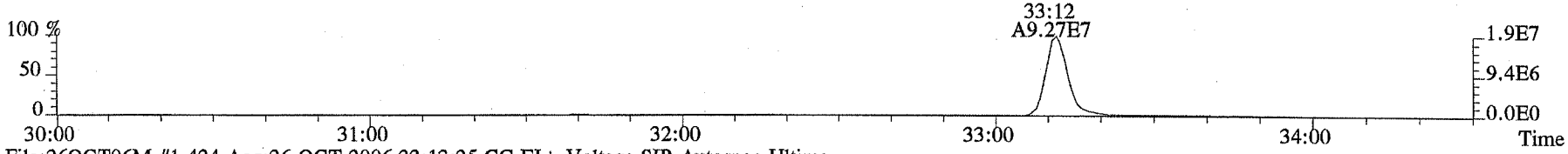
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



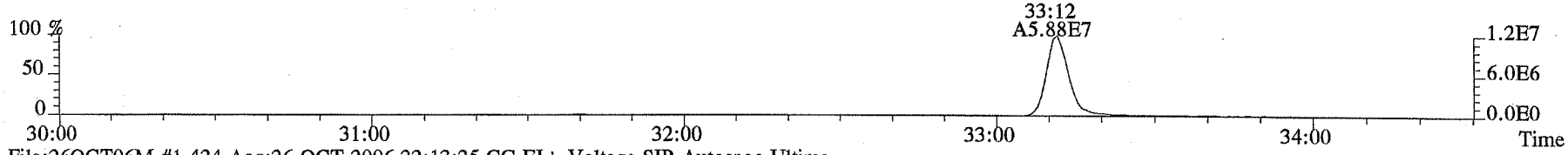
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



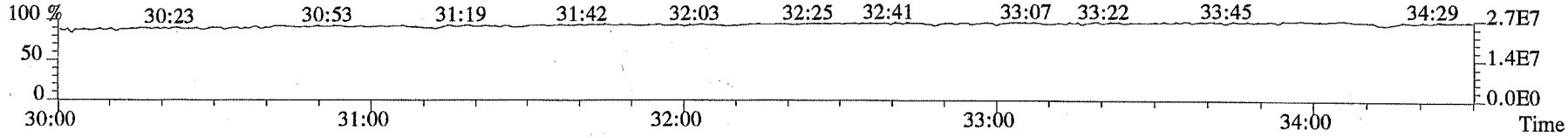
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



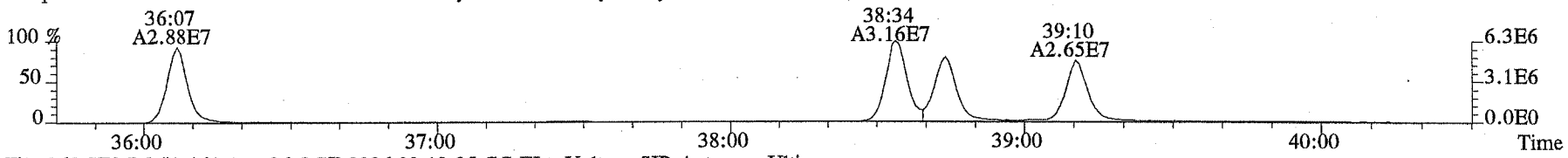
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



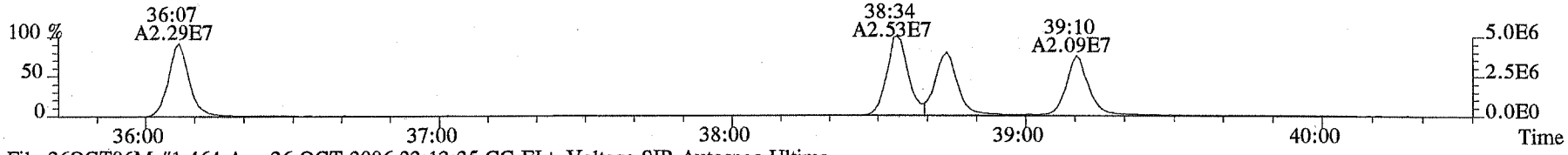
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:11 F:2 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



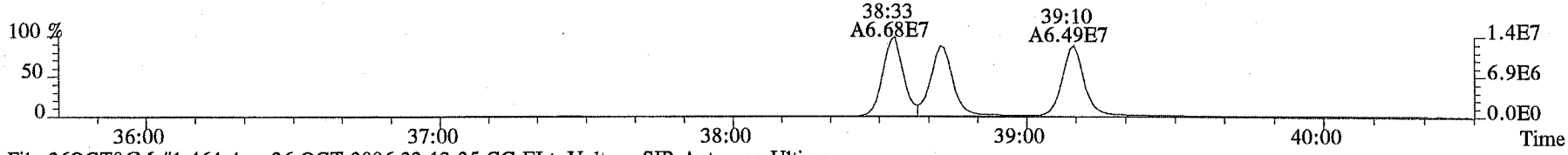
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



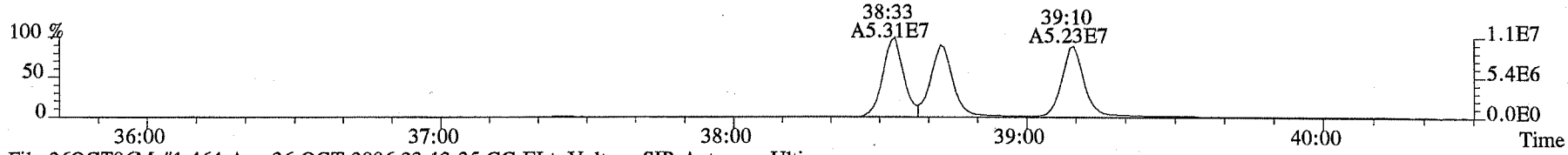
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



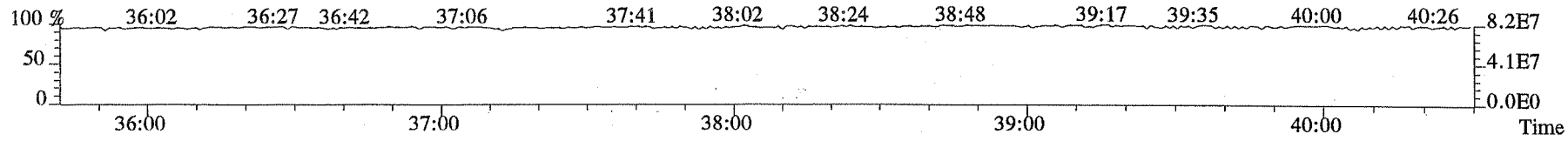
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



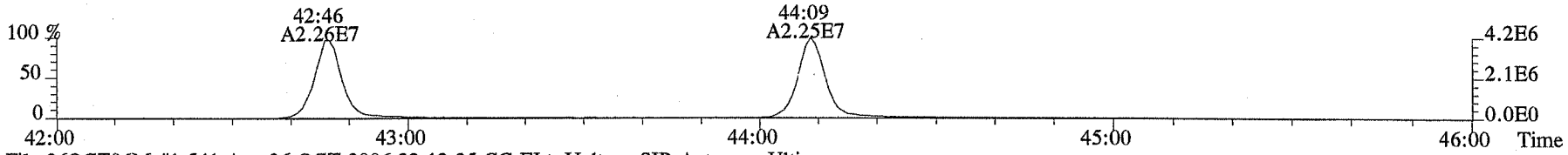
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



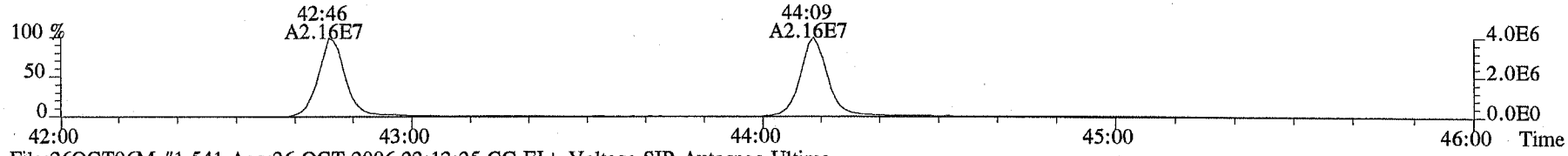
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:11 F:3 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



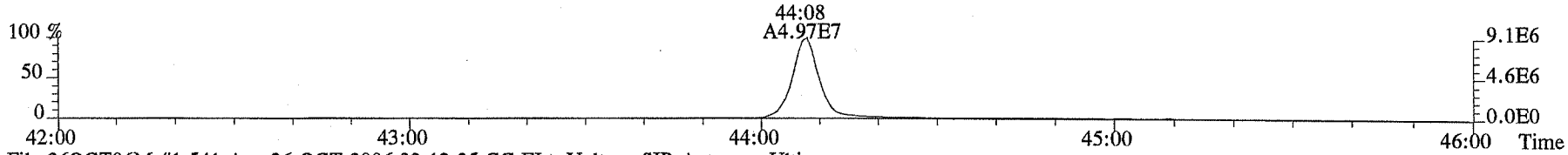
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



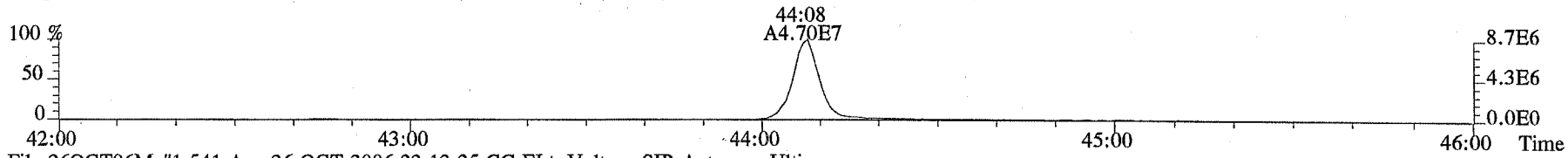
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



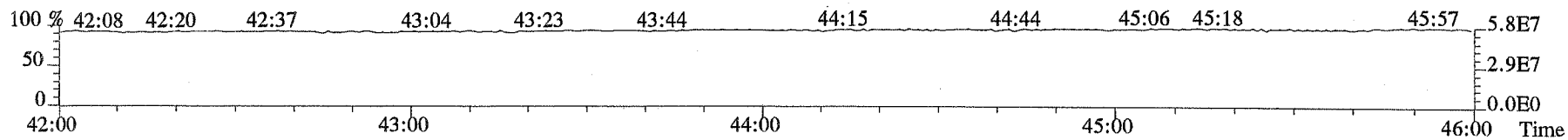
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



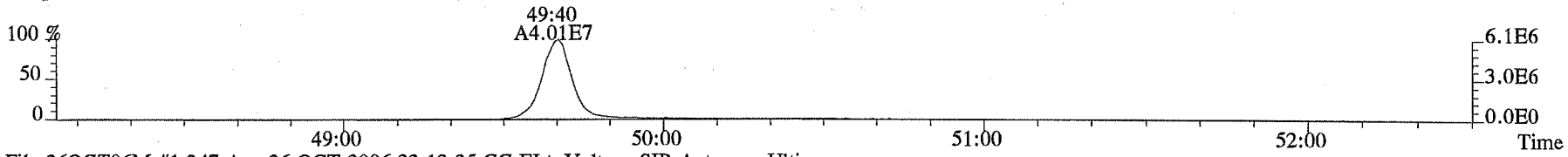
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



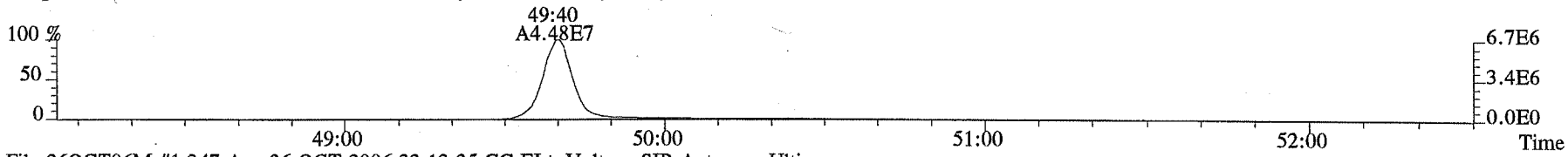
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:11 F:4 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



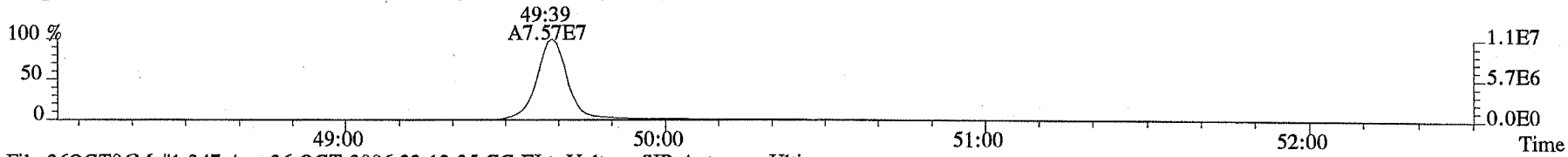
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



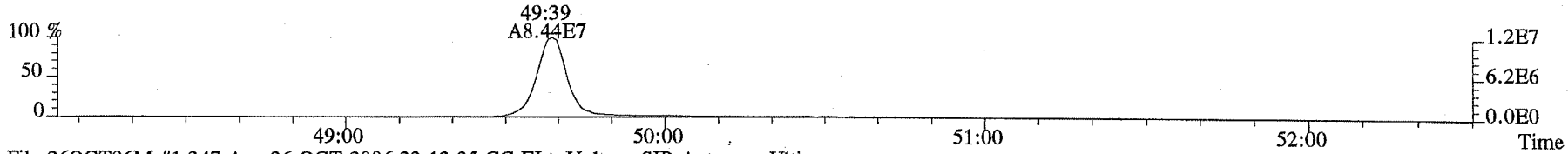
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



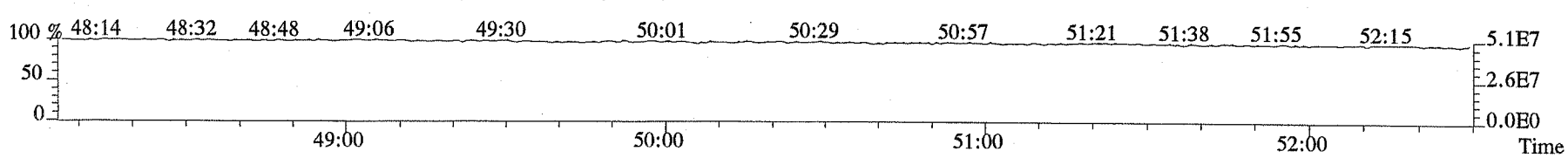
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



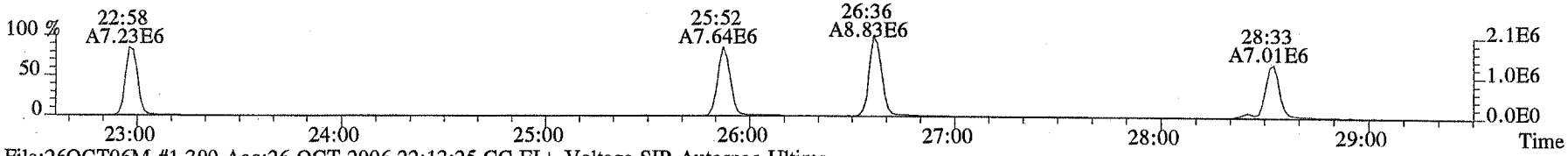
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



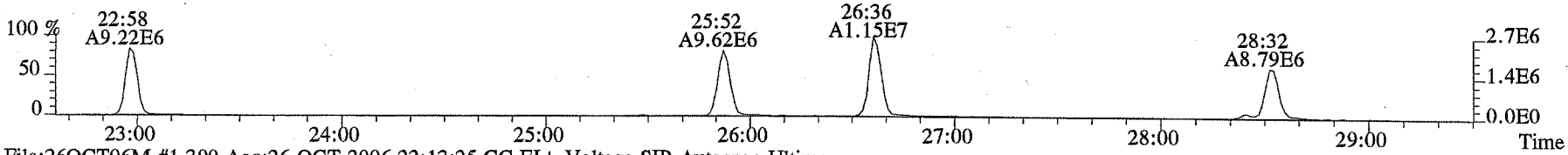
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:11 F:5 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



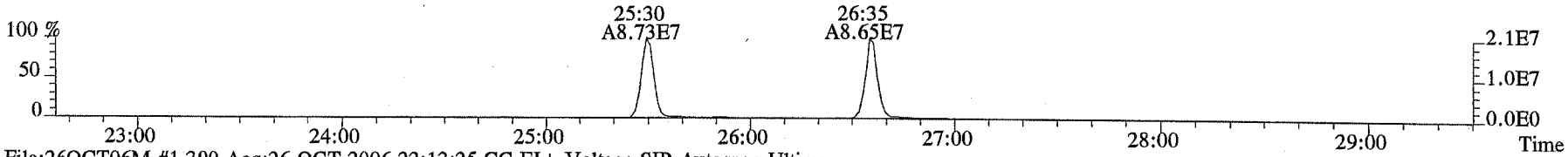
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



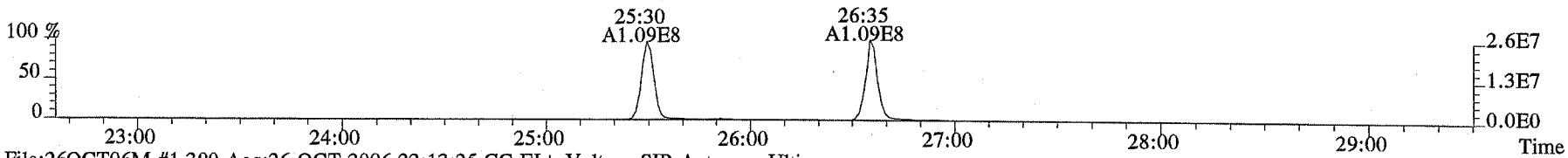
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



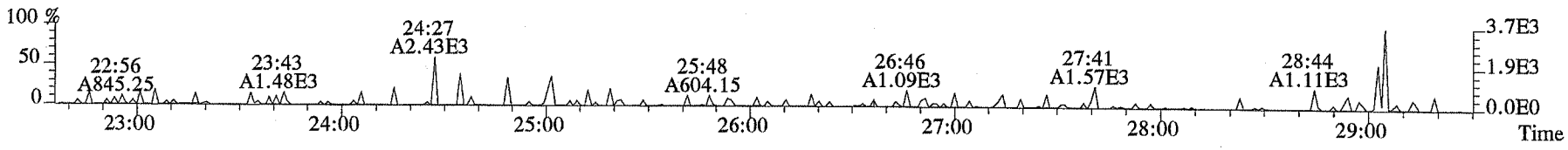
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



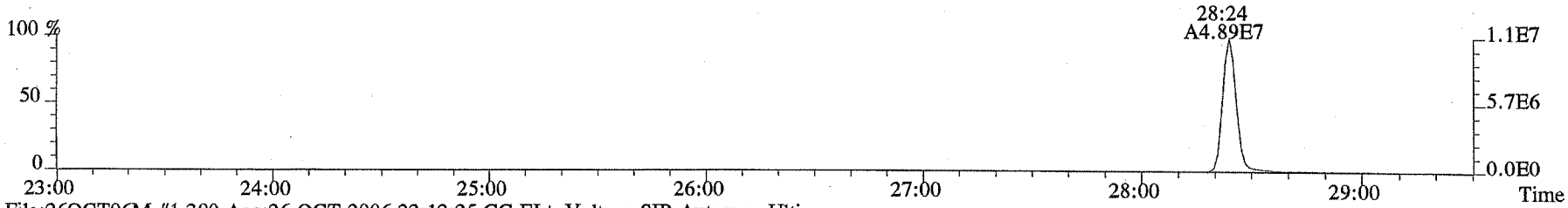
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



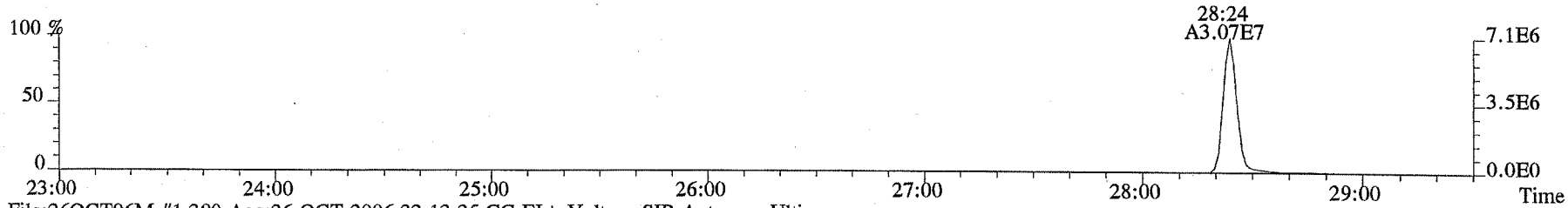
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



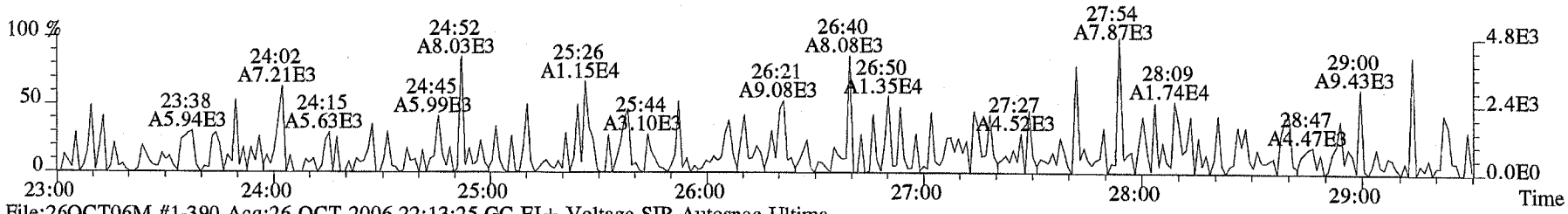
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



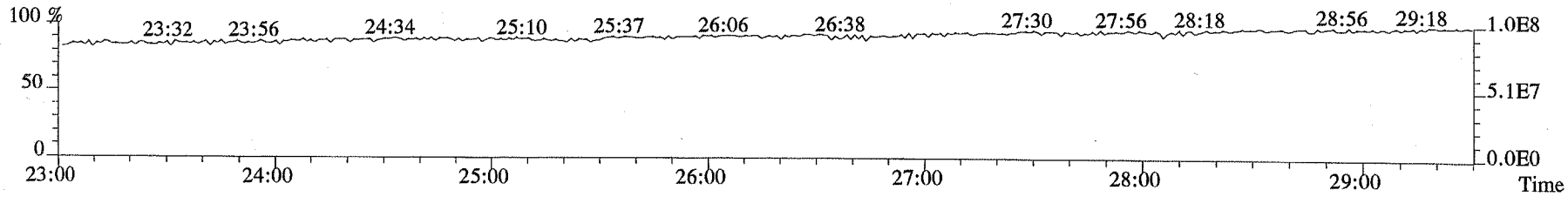
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



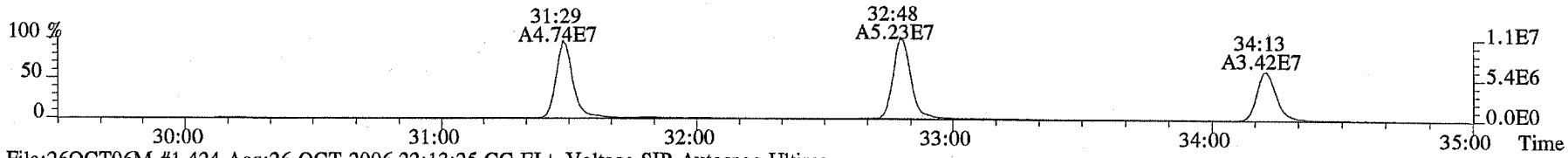
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



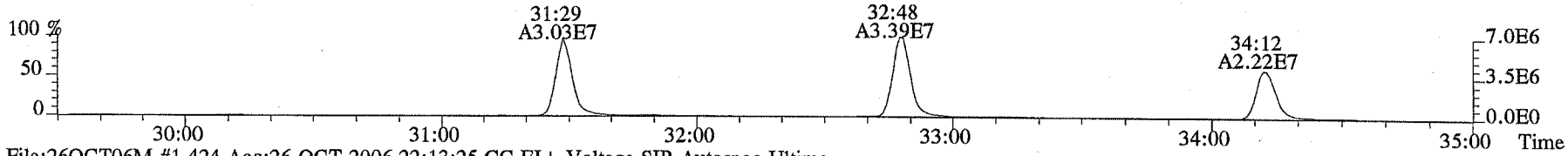
File:26OCT06M #1-390 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:11 Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



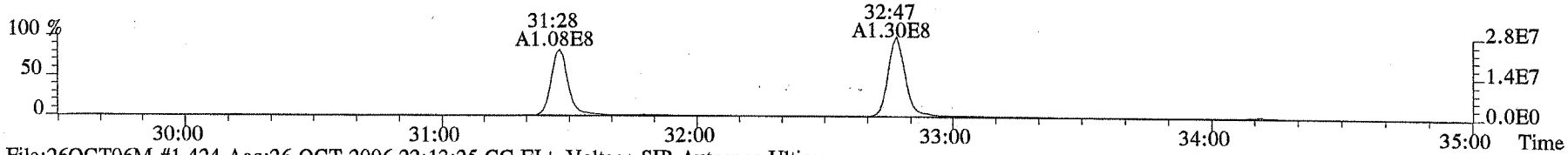
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



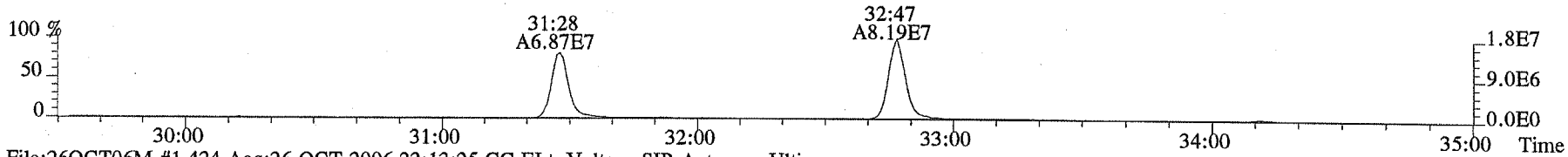
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



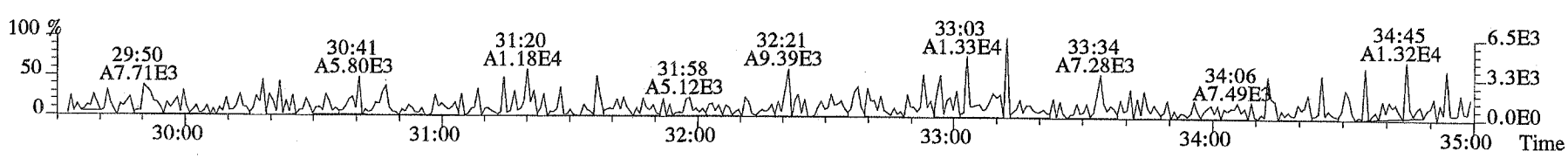
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



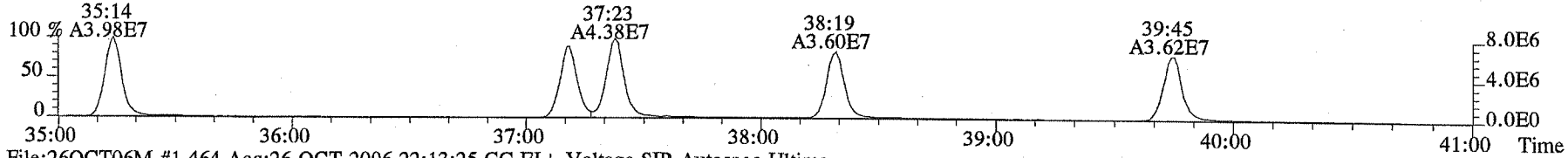
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



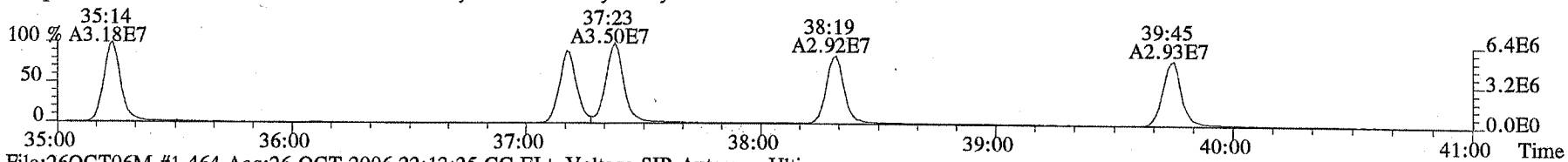
File:26OCT06M #1-424 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



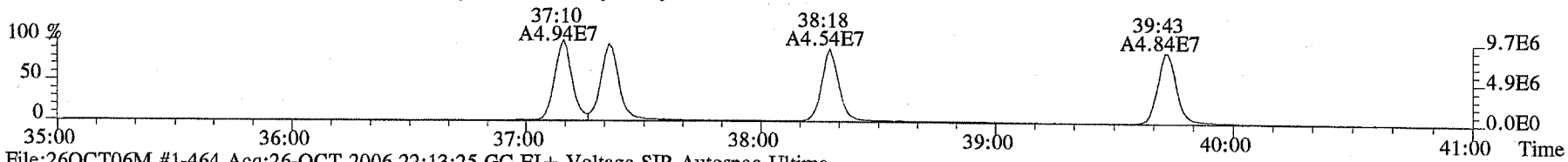
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



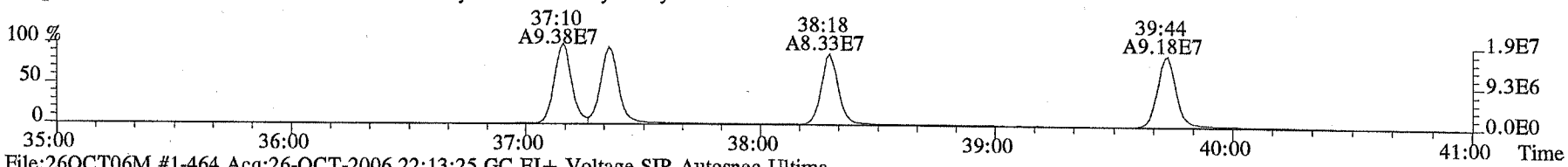
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



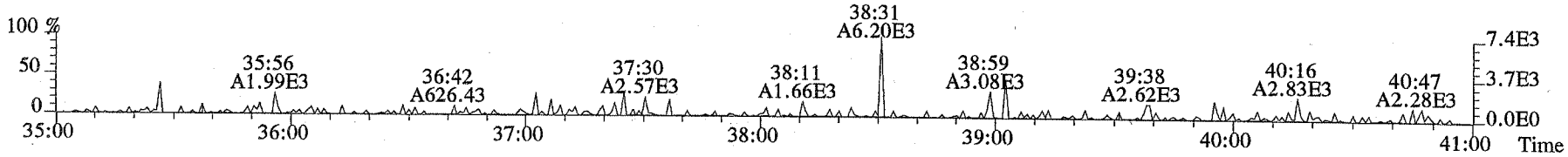
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



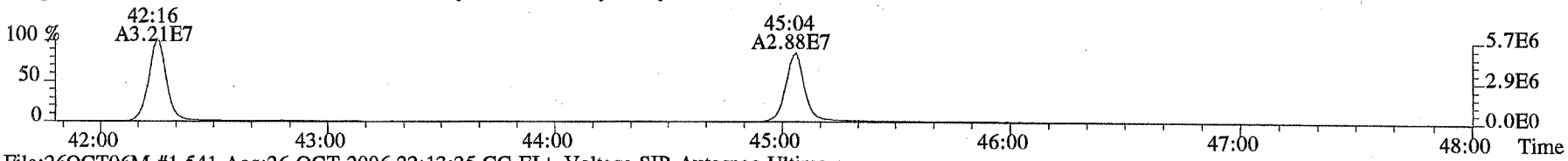
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



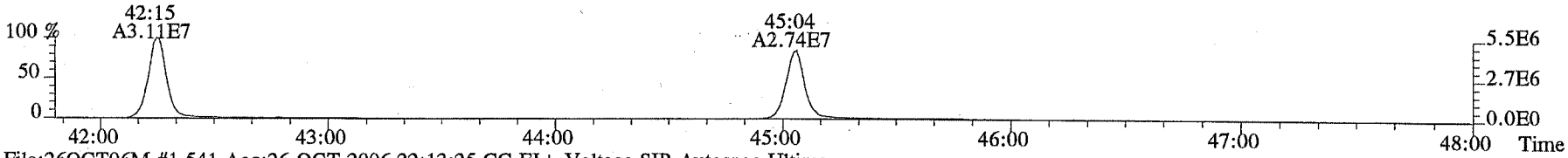
File:26OCT06M #1-464 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



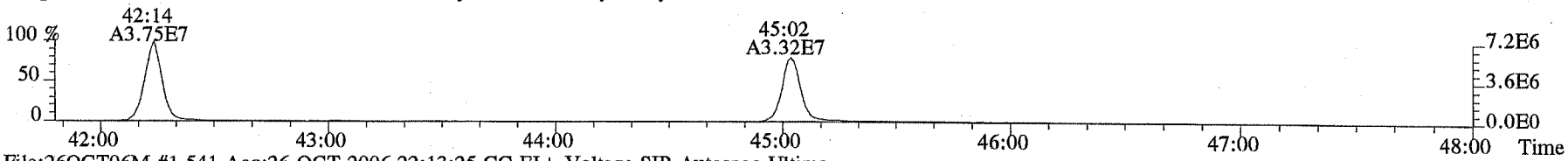
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



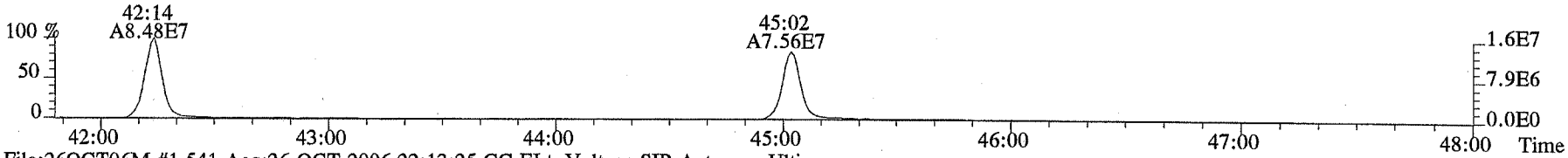
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



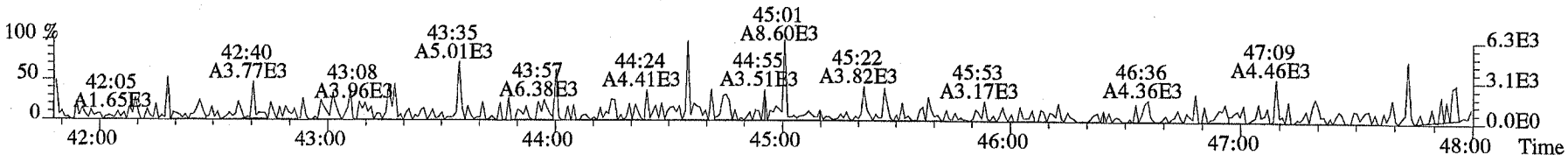
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



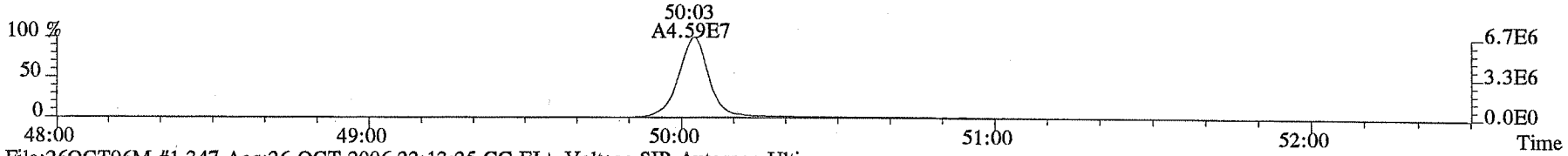
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



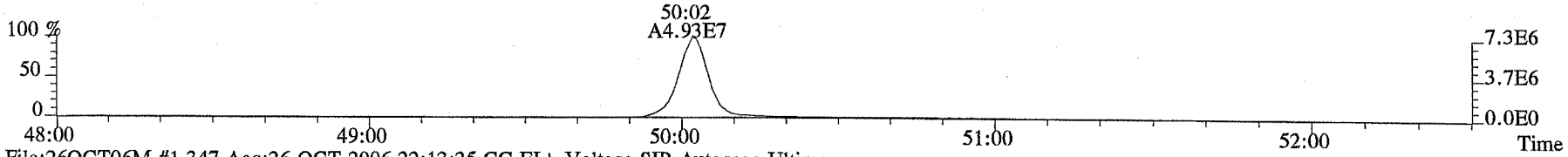
File:26OCT06M #1-541 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



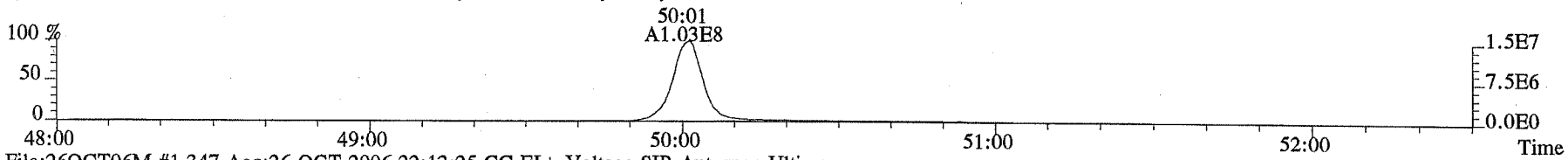
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



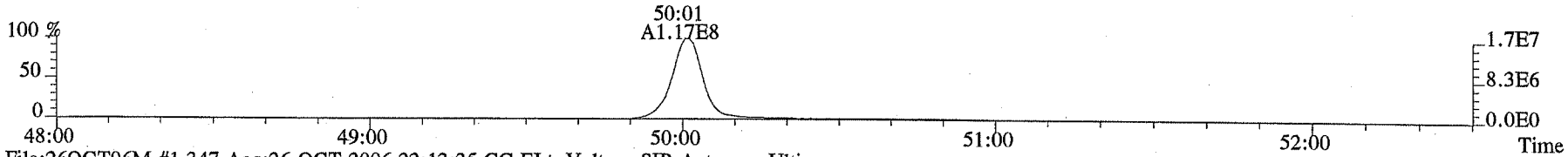
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



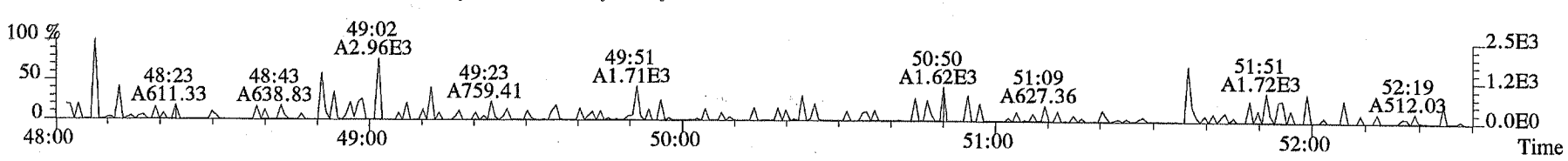
File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 22:13:25 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102606M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



Frontier Analytical Laboratory - Acquisition Log

Run Name:26OCT06M Instrument: FAL3 GC: DB5 Experiment:PCDD

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
26OCT06M	1	ST102606M1	1613 CS3 (061011J)	26-OCT-06 12:59:49	ST102606M1	ST102606M2	DV
26OCT06M	2	0990-001-0001-OPR	OPR	26-OCT-06 13:55:12	ST102606M1	ST102606M2	DV
26OCT06M	3	0990-001-0001-MB	Method Blank	26-OCT-06 14:50:36	ST102606M1	ST102606M2	DV
26OCT06M	4	4117-001-X002-SA	WWTP Eff. Comp.	26-OCT-06 15:46:00	ST102606M1	ST102606M2	DV
26OCT06M	5	4118-001-X002-SA	IPJ1685-01	26-OCT-06 16:41:22	ST102606M1	ST102606M2	DV
26OCT06M	6	4120-001-X002-SA	6100583-01	26-OCT-06 17:36:42	ST102606M1	ST102606M2	DV
26OCT06M	7	4123-001-0001-SA	IPJ1836-01	26-OCT-06 18:32:01	ST102606M1	ST102606M2	DV
26OCT06M	8	4123-003-0001-SA	IPJ1836-03	26-OCT-06 19:27:17	ST102606M1	ST102606M2	DV
26OCT06M	9	4123-002-0001-SA	IPJ1836-02	26-OCT-06 20:22:38	ST102606M1	ST102606M2	DV
26OCT06M	10	SB102606M	Solvent Blank	26-OCT-06 21:18:01	ST102606M1	ST102606M2	DV
26OCT06M	11	ST102606M2	1613 CS3 (061011J)	26-OCT-06 22:13:25	ST102606M1	ST102606M2	DV

10/27/06

Data Backed Up:_____

Date:_____

FAL ID: ST102606M1 Filename: 26OCT06M Sam:1 Acquired: 26-OCT-06 12:59:49 ICal: PCDDFAL3-10-24-06
Client ID: 1613 CS3 (061011J) ConCal: ST102606M1 EndCal: ST102606M2
Results: GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 103
WHO 1998 Tox: 128

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	1.18e+07	0.76	y	27:23	1.19	9.80		2.50	-	*	
1,2,3,7,8-PeCDD	3.96e+07	1.55	y	33:13	0.69	50.9		2.50	-	*	
1,2,3,4,7,8-HxCDD	4.14e+07	1.24	y	38:35	0.94	49.2		2.50	-	*	
1,2,3,6,7,8-HxCDD	3.61e+07	1.23	y	38:44	0.81	51.5		2.50	-	*	
1,2,3,7,8,9-HxCDD	3.42e+07	1.26	y	39:11	0.74	52.5		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	3.31e+07	1.07	y	44:10	0.89	52.3		2.50	-	*	
OCDD	6.08e+07	0.87	y	49:41	1.03	102		2.50	-	*	
2,3,7,8-TCDF	1.46e+07	0.79	y	26:37	0.97	10.8		2.50	-	*	
1,2,3,7,8-PeCDF	5.54e+07	1.54	y	31:29	0.82	53.4		2.50	-	*	
2,3,4,7,8-PeCDF	6.20e+07	1.55	y	32:49	0.78	52.7		2.50	-	*	
1,2,3,4,7,8-HxCDF	4.71e+07	1.25	y	37:11	0.90	51.2		2.50	-	*	
1,2,3,6,7,8-HxCDF	5.64e+07	1.25	y	37:23	1.02	50.8		2.50	-	*	
2,3,4,6,7,8-HxCDF	4.60e+07	1.25	y	38:19	0.97	50.4		2.50	-	*	
1,2,3,7,8,9-HxCDF	4.73e+07	1.24	y	39:45	0.89	51.5		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	4.67e+07	1.04	y	42:16	0.99	52.3		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	4.00e+07	1.03	y	45:05	0.98	52.3		2.50	-	*	
OCDF	6.76e+07	0.91	y	50:03	0.84	103		2.50	-	*	
											Rec
13C-2,3,7,8-TCDD	1.01e+08	0.79	y	27:22	0.95	99.9					99.9
13C-1,2,3,7,8-PeCDD	1.12e+08	1.57	y	33:12	1.06	99.1					99.1
13C-1,2,3,4,7,8-HxCDD	8.93e+07	1.26	y	38:33	1.05	97.0					97.0
13C-1,2,3,6,7,8-HxCDD	8.62e+07	1.25	y	38:43	1.00	99.1					99.1
13C-1,2,3,4,6,7,8-HpCDD	7.09e+07	1.07	y	44:08	0.82	98.8					98.8
13C-OCDD	1.16e+08	0.89	y	49:40	0.68	195					97.5
13C-2,3,7,8-TCDF	1.38e+08	0.78	y	26:36	0.98	93.8					93.8
13C-1,2,3,7,8-PeCDF	1.26e+08	1.56	y	31:29	0.83	102					102
13C-2,3,4,7,8-PeCDF	1.52e+08	1.57	y	32:48	0.97	104					104
13C-1,2,3,4,7,8-HxCDF	1.02e+08	0.52	y	37:10	1.28	91.2					91.2
13C-1,2,3,6,7,8-HxCDF	1.09e+08	0.52	y	37:22	1.29	96.8					96.8
13C-2,3,4,6,7,8-HxCDF	9.42e+07	0.52	y	38:19	1.12	95.8					95.8
13C-1,2,3,7,8,9-HxCDF	1.03e+08	0.52	y	39:44	1.27	92.8					92.8
13C-1,2,3,4,6,7,8-HpCDF	8.98e+07	0.44	y	42:14	1.06	97.2					97.2
13C-1,2,3,4,7,8,9-HpCDF	7.81e+07	0.44	y	45:03	0.94	94.6					94.6
13C-OCDF	1.56e+08	0.90	y	50:02	0.95	189					94.3
37Cl-2,3,7,8-TCDD	7.33e+06			27:23	0.65	10.5					105
13C-1,2,3,4-TCDD	1.07e+08	0.80	y	26:47	-	52.8					
13C-1,2,3,4-TCDF	1.50e+08	0.80	y	25:30	-	48.7					
13C-1,2,3,7,8,9-HxCDD	8.74e+07	1.30	y	39:10	-	56.7					
								Fac	Noise	DL	#Hom
Total Tetra-Dioxins	4.65e+07			23:18	1.19	38.5		2.50	-	*	22
Total Penta-Dioxins	1.09e+08			30:15	0.69	140		2.50	-	*	16
Total Hexa-Dioxins	1.52e+08			36:08	0.83	207		2.50	-	*	17
Total Hepta-Dioxins	6.86e+07			42:47	0.89	109		2.50	-	*	38
Total Tetra-Furans	5.12e+07			22:59	0.97	38.0		2.50	-	*	18
1st Fn. Tot Penta-Furans	5.86e+07			28:24	0.80	52.9		2.50	-	*	2 PeCDF
Total Penta-Furans	1.62e+08			30:10	0.80	146		2.50	-	*	20 199
Total Hexa-Furans	2.53e+08			35:14	0.95	262		2.50	-	*	33
Total Hepta-Furans	8.98e+07			42:16	0.99	108		2.50	-	*	25

Analyst: DJ Date: 10/26/06

FAL ID: ST102606M2 Filename: 26OCT06M Sam:11 Acquired: 26-OCT-06 22:13:25 ICal: PCDDFAL3-10-24-06
Client ID: 1613 CS3 (061011J) ConCal: ST102606M1 EndCal: ST102606M2
Results: 4117 GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 104
WHO 1998 Tox: 129

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	1.71e+07	0.79 y	27:23	1.19	10.3		2.50	-	*	
1,2,3,7,8-PeCDD	5.41e+07	1.55 y	33:12	0.69	51.5		2.50	-	*	
1,2,3,4,7,8-HxCDD	5.70e+07	1.25 y	38:34	0.94	50.4		2.50	-	*	
1,2,3,6,7,8-HxCDD	4.75e+07	1.26 y	38:44	0.81	49.9		2.50	-	*	
1,2,3,7,8,9-HxCDD	4.74e+07	1.27 y	39:10	0.74	53.9		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	4.41e+07	1.04 y	44:09	0.89	51.2		2.50	-	*	
OCDD	8.50e+07	0.90 y	49:40	1.03	103		2.50	-	*	
2,3,7,8-TCDF	2.03e+07	0.77 y	26:36	0.97	10.7		2.50	-	*	
1,2,3,7,8-PeCDF	7.78e+07	1.57 y	31:29	0.82	53.5		2.50	-	*	
2,3,4,7,8-PeCDF	8.62e+07	1.54 y	32:48	0.78	52.4		2.50	-	*	
1,2,3,4,7,8-HxCDF	6.50e+07	1.25 y	37:10	0.90	50.4		2.50	-	*	
1,2,3,6,7,8-HxCDF	7.88e+07	1.25 y	37:23	1.02	52.0		2.50	-	*	
2,3,4,6,7,8-HxCDF	6.52e+07	1.23 y	38:19	0.97	52.3		2.50	-	*	
1,2,3,7,8,9-HxCDF	6.55e+07	1.24 y	39:45	0.89	52.3		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	6.32e+07	1.03 y	42:16	0.99	52.0		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	5.62e+07	1.05 y	45:04	0.98	52.6		2.50	-	*	
OCDF	9.52e+07	0.93 y	50:03	0.84	103		2.50	-	*	
										Rec
13C-2,3,7,8-TCDD	1.39e+08	0.79 y	27:22	0.95	99.3					99.3
13C-1,2,3,7,8-PeCDD	1.51e+08	1.58 y	33:12	1.06	96.7					96.7
13C-1,2,3,4,7,8-HxCDD	1.20e+08	1.26 y	38:33	1.05	97.0					97.0
13C-1,2,3,6,7,8-HxCDD	1.17e+08	1.25 y	38:43	1.00	100					100
13C-1,2,3,4,6,7,8-HpCDD	9.67e+07	1.06 y	44:08	0.82	100					100
13C-OCDD	1.60e+08	0.90 y	49:39	0.68	201					100
13C-2,3,7,8-TCDF	1.95e+08	0.79 y	26:35	0.98	101					101
13C-1,2,3,7,8-PeCDF	1.77e+08	1.57 y	31:28	0.83	109					109
13C-2,3,4,7,8-PeCDF	2.12e+08	1.59 y	32:47	0.97	111					111
13C-1,2,3,4,7,8-HxCDF	1.43e+08	0.53 y	37:10	1.28	95.3					95.3
13C-1,2,3,6,7,8-HxCDF	1.49e+08	0.52 y	37:21	1.29	98.6					98.6
13C-2,3,4,6,7,8-HxCDF	1.29e+08	0.54 y	38:18	1.12	97.6					97.6
13C-1,2,3,7,8,9-HxCDF	1.40e+08	0.53 y	39:43	1.27	94.5					94.5
13C-1,2,3,4,6,7,8-HpCDF	1.22e+08	0.44 y	42:14	1.06	98.7					98.7
13C-1,2,3,4,7,8,9-HpCDF	1.09e+08	0.44 y	45:02	0.94	98.3					98.3
13C-OCDF	2.20e+08	0.88 y	50:01	0.95	198					99.0
37Cl-2,3,7,8-TCDD	9.86e+06		27:23	0.65	10.2					102
13C-1,2,3,4-TCDD	1.48e+08	0.80 y	26:46	-	73.2					
13C-1,2,3,4-TCDF	1.96e+08	0.80 y	25:30	-	63.6					
13C-1,2,3,7,8,9-HxCDD	1.17e+08	1.24 y	39:10	-	76.1					
							Fac	Noise	DL	#Hom
Total Tetra-Dioxins	6.41e+07		24:21	1.19	38.6		2.50	-	*	14
Total Penta-Dioxins	1.52e+08		30:14	0.69	144		2.50	-	*	15
Total Hexa-Dioxins	2.07e+08		36:07	0.83	210		2.50	-	*	20
Total Hepta-Dioxins	8.94e+07		42:46	0.89	104		2.50	-	*	18
Total Tetra-Furans	7.06e+07		22:58	0.97	37.2		2.50	-	*	19
1st Fn. Tot Penta-Furans	7.96e+07		28:24	0.80	51.3		2.50	-	*	1 PeCDF
Total Penta-Furans	2.25e+08		30:10	0.80	145		2.50	-	*	20 197
Total Hexa-Furans	3.51e+08		35:14	0.95	264		2.50	-	*	23
Total Hepta-Furans	1.22e+08		42:16	0.99	107		2.50	-	*	15

Analyst: _____ Date: 10/27/06

1DFA - FORM I-HR CDD-1 SAMPLE No.
CDD/CDF SAMPLE DATA SUMMARY Method Blank
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 0990-001-MB
SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 26OCT06M Sam: 3
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 25-OCT-06
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06
GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	NotFnd	*	*	U	0.762
2,3,7,8-TCDF	304/306	NotFnd	*	*	U	0.699
1,2,3,7,8-PeCDF	340/342	NotFnd	*	*	U	1.86
1,2,3,7,8-PeCDD	356/358	NotFnd	*	*	U	1.01
2,3,4,7,8-PeCDF	340/342	NotFnd	*	*	U	1.65
1,2,3,4,7,8-HxCDF	374/376	NotFnd	*	*	U	1.26
1,2,3,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.15
1,2,3,4,7,8-HxCDD	390/392	NotFnd	*	*	U	2.01
1,2,3,6,7,8-HxCDD	390/392	NotFnd	*	*	U	2.66
1,2,3,7,8,9-HxCDD	390/392	NotFnd	*	*	U	2.85
2,3,4,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.33
1,2,3,7,8,9-HxCDF	374/376	NotFnd	*	*	U	1.45
1,2,3,4,6,7,8-HpCDF	408/410	NotFnd	*	*	U	1.37
1,2,3,4,6,7,8-HpCDD	424/426	NotFnd	*	*	U	2.18
1,2,3,4,7,8,9-HpCDF	408/410	NotFnd	*	*	U	1.57
OCDD	458/460	NotFnd	*	*	U	3.65
OCDF	442/444	NotFnd	*	*	U	3.55

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:25	0.79	0.65-0.89	93.0	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:13	1.57	1.32-1.78	97.5	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:34	1.30	1.05-1.43	78.5	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:44	1.21	1.05-1.43	76.4	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:08	1.05	0.88-1.20	74.7	23-140
13C-OCDD	470/472	49:40	0.90	0.76-1.02	74.1	17-157
13C-2,3,7,8-TCDF	316/318	26:40	0.79	0.65-0.89	92.9	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:29	1.56	1.32-1.78	108	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:48	1.57	1.32-1.78	113	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:11	0.53	0.43-0.59	74.9	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:22	0.52	0.43-0.59	76.6	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:45	0.52	0.43-0.59	74.2	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:19	0.52	0.43-0.59	80.2	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:14	0.45	0.37-0.51	71.9	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:03	0.45	0.37-0.51	72.7	26-138
13C-OCDF	454/456	50:02	0.90	0.76-1.02	69.9	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:26	NA	NA	103	35-197

Column to be used to flag values outside (QC) limits.

ANALYST: _____ DATE: 10/27/06

1DFB - FORM I-HR CDD-2
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 0990-001-MB

SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 26OCT06M Sam: 3

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 25-OCT-06

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	CONCENTRATION	TEF*		TEF-ADJUSTED CONCENTRATION
2,3,7,8-TCDD	*	x 1.0	=	*
2,3,7,8-TCDF	*	x 0.1	=	*
1,2,3,7,8-PeCDF	*	x 0.05	=	*
1,2,3,7,8-PeCDD	*	x 0.5	=	*
2,3,4,7,8-PeCDF	*	x 0.5	=	*
1,2,3,4,7,8-HxCDF	*	x 0.1	=	*
1,2,3,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,4,7,8-HxCDD	*	x 0.1	=	*
1,2,3,6,7,8-HxCDD	*	x 0.1	=	*
1,2,3,7,8,9-HxCDD	*	x 0.1	=	*
2,3,4,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,7,8,9-HxCDF	*	x 0.1	=	*
1,2,3,4,6,7,8-HpCDF	*	x 0.01	=	*
1,2,3,4,6,7,8-HpCDD	*	x 0.01	=	*
1,2,3,4,7,8,9-HpCDF	*	x 0.01	=	*
OCDD	*	x 0.001	=	*
OCDF	*	x 0.001	=	*
		Total	=	0.00

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

ANALYST: _____ DATE: 10/27/06

2DF - FORM II-HR CDD
CDD/CDF TOTAL HOMOLOGUE CONCENTRATION SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 0990-001-MB

SAMPLE wt/vol: 1000 (g/mL) mL LAB FILE ID: 26OCT06M Sam: 3

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 25-OCT-06

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

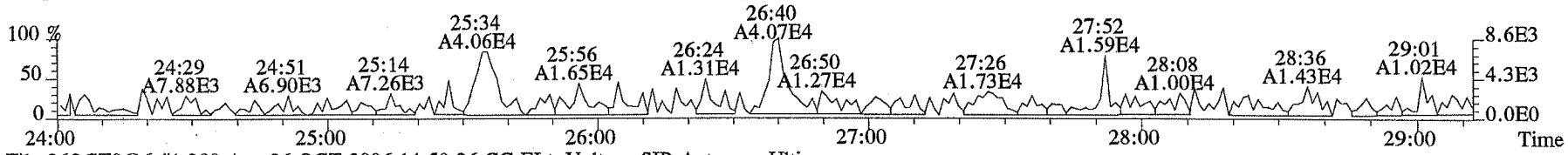
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

HOMOLOGUE	PEAKS	CONCENTRATION	Q	EMPC/EDL
DIOXINS				
Total TCDD	0	*	U	0.762
Total PeCDD	0	*	U	1.01
Total HxCDD	0	*	U	2.85
Total HpCDD	0	*	U	2.18
FURANS				
Total TCDF	0	*	U	0.699
Total PeCDF	0	*	U	1.86
Total HxCDF	0	*	U	1.45
Total HpCDF	0	*	U	1.57

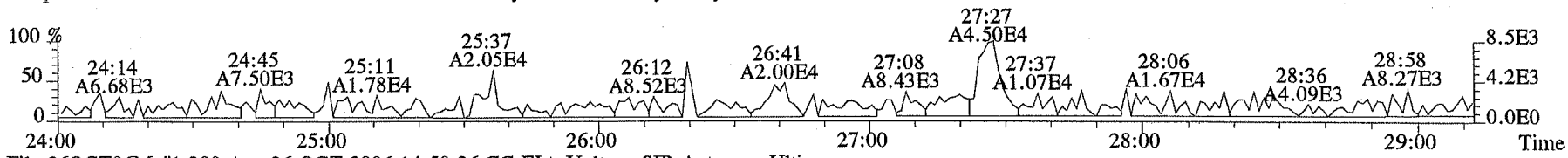
NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Limits (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids). The total homologue concentrations do not affect the TEF (Toxicity Equivalent Factor) calculations.

ANALYST: _____ DATE: 10/27/06

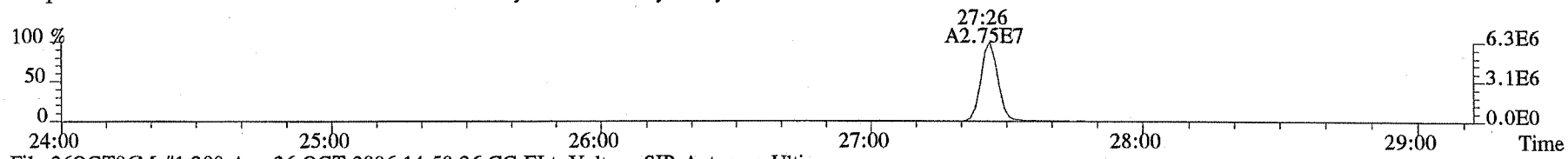
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



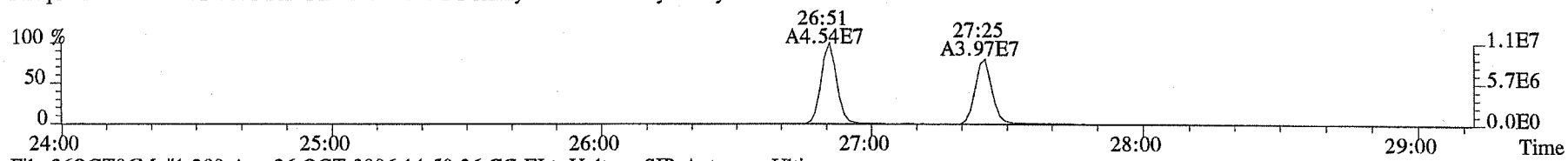
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



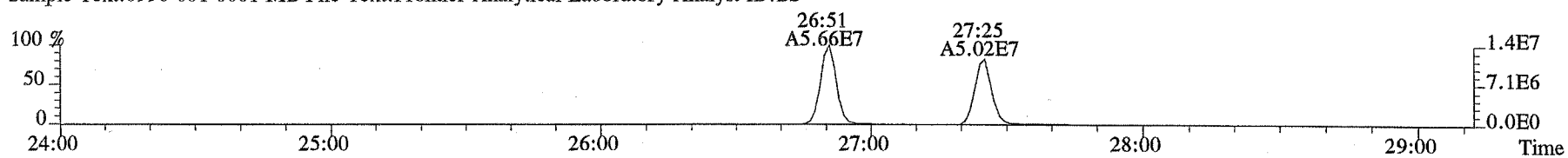
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



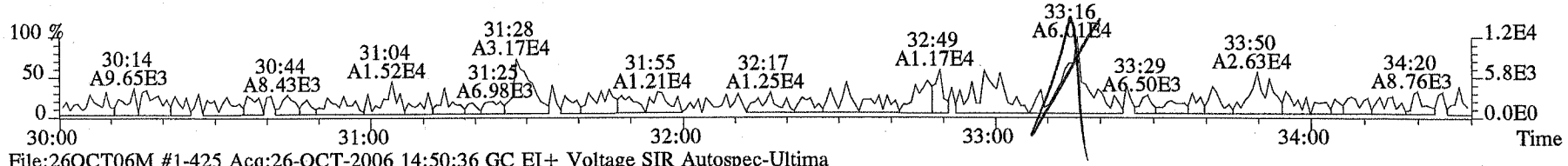
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



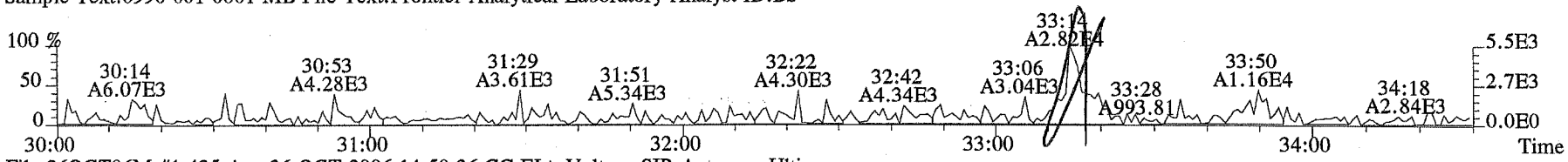
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



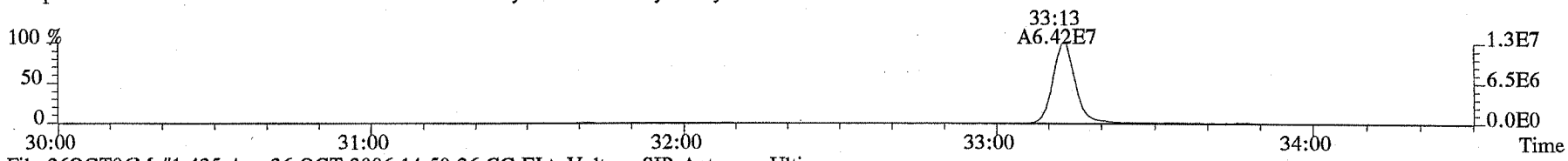
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



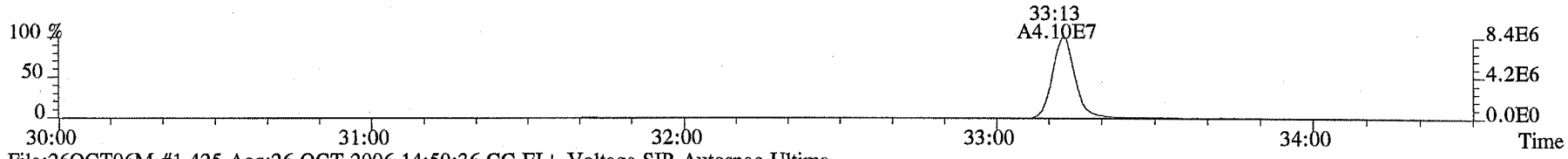
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



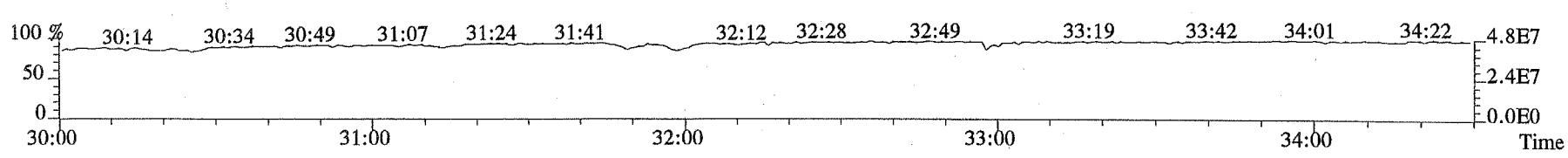
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



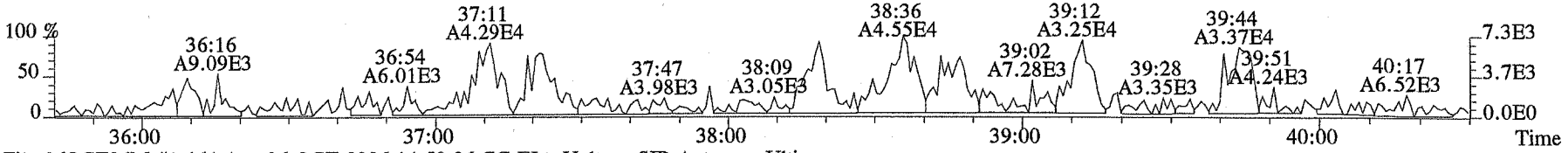
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



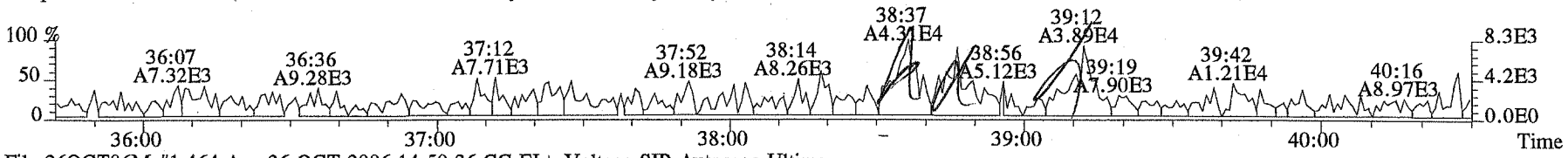
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



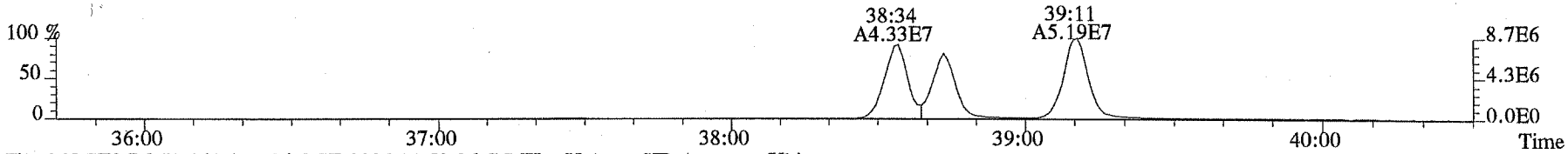
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



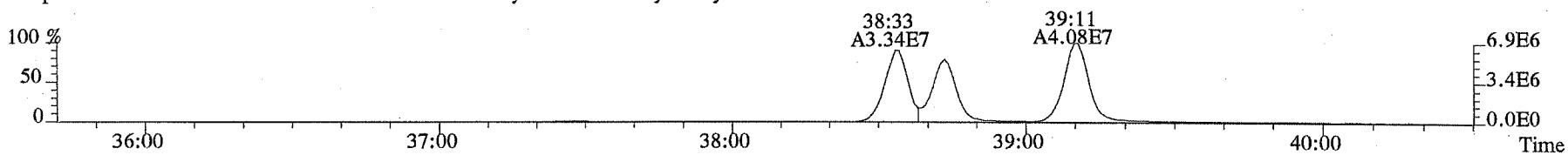
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



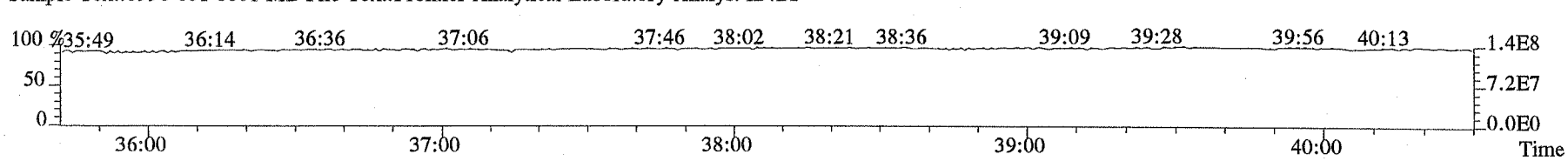
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



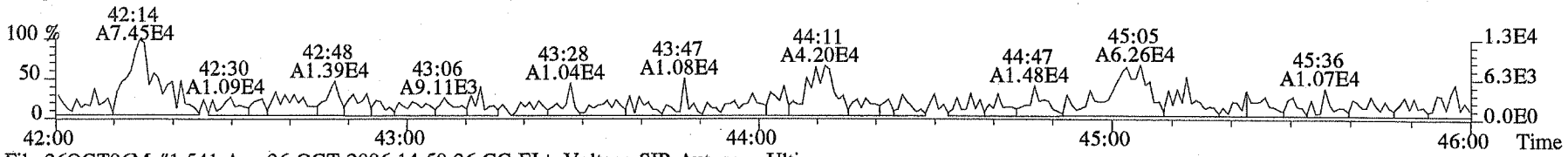
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



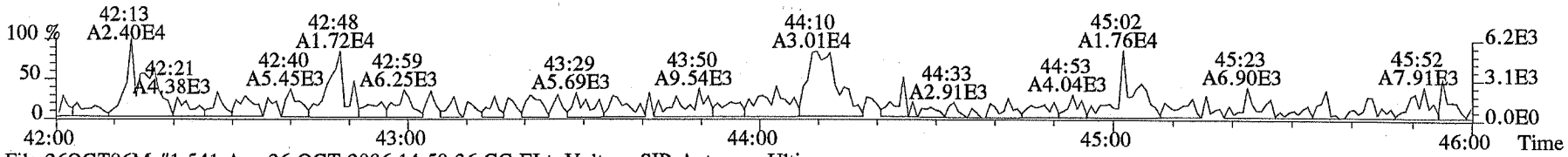
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:3 F:3 Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



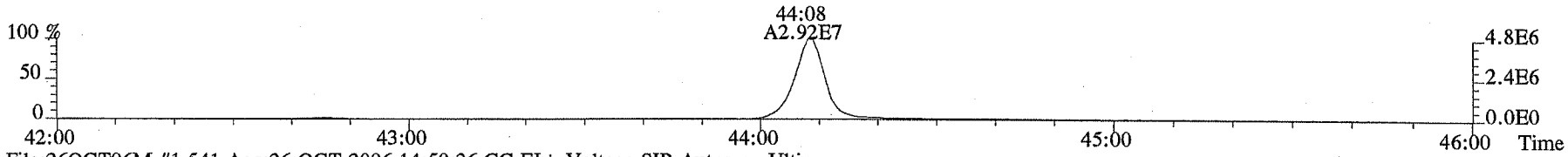
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



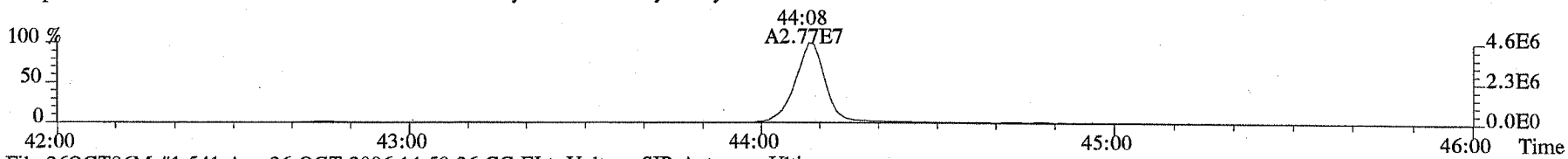
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



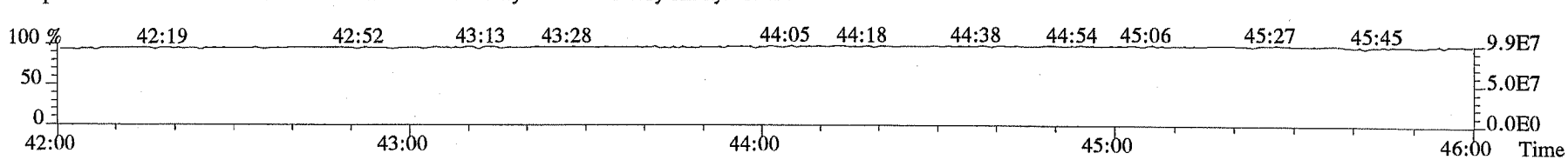
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



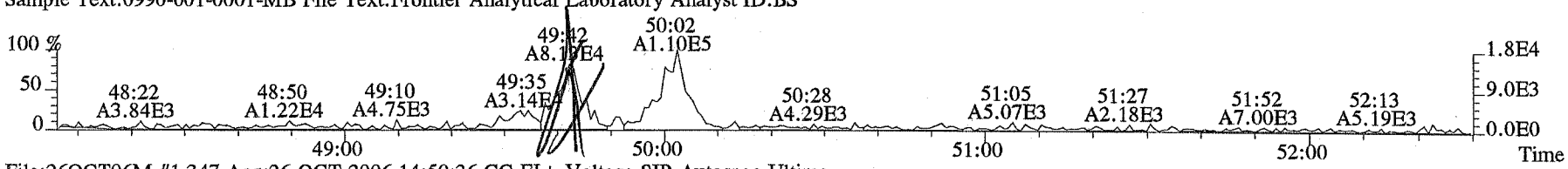
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



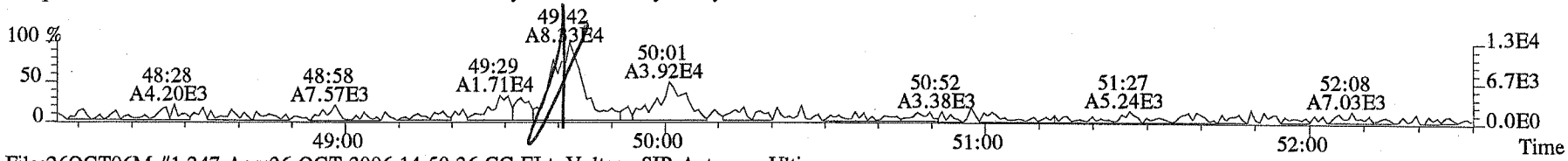
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:3 F:4 Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



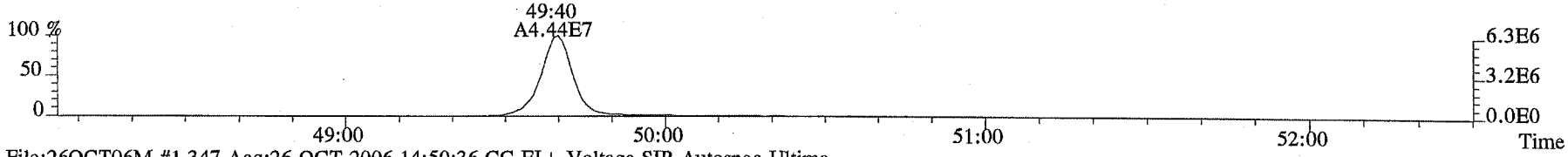
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



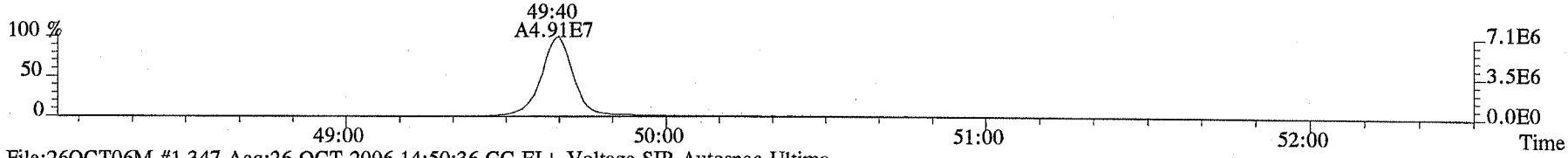
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



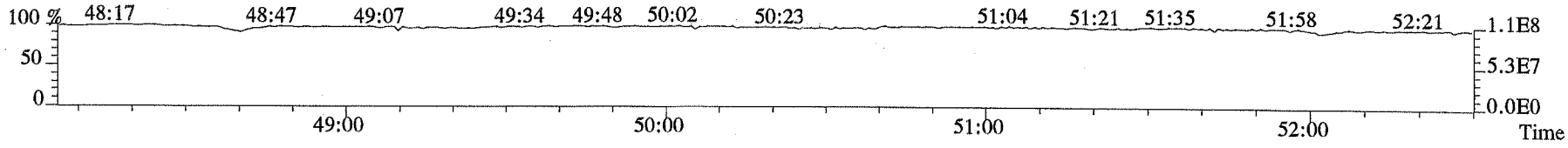
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



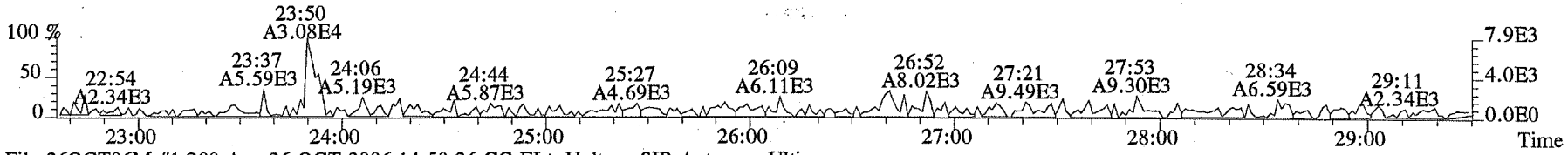
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



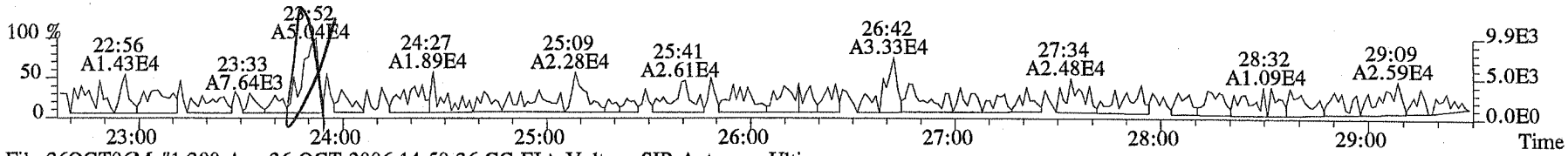
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:3 F:5 Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



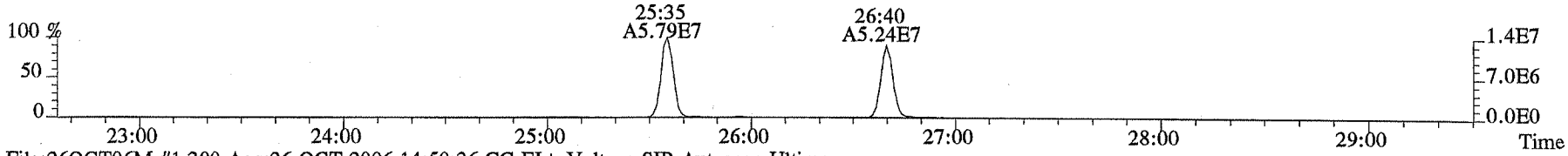
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



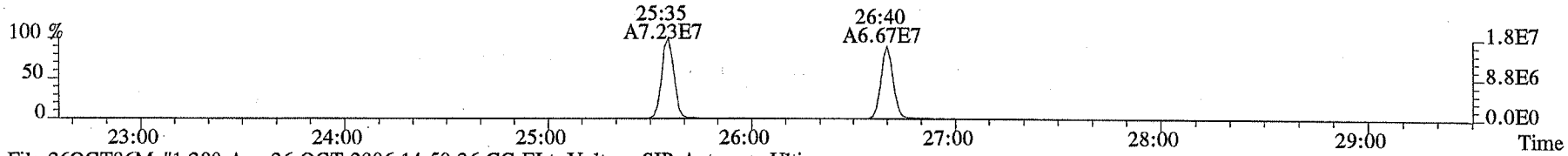
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



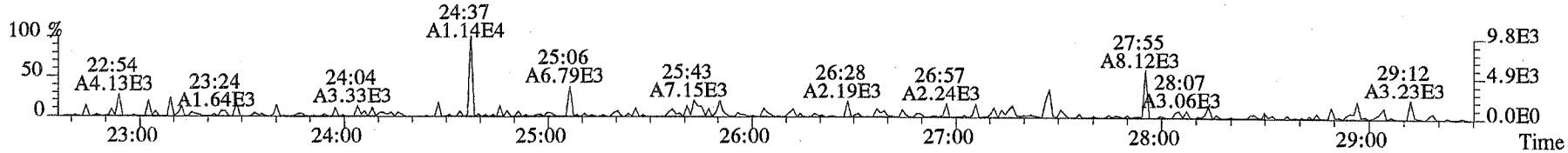
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



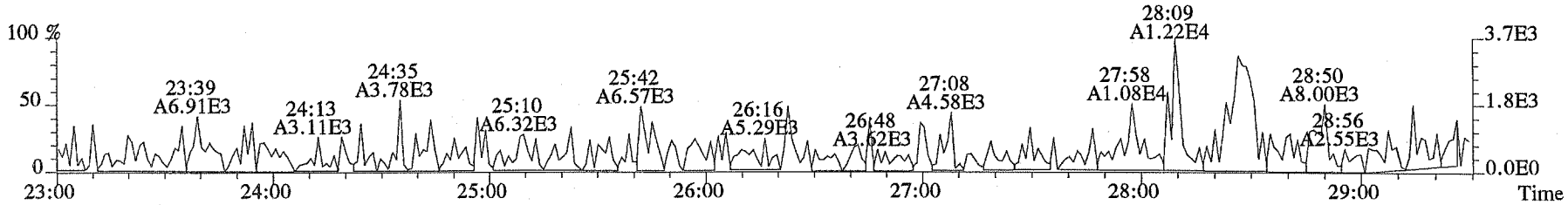
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



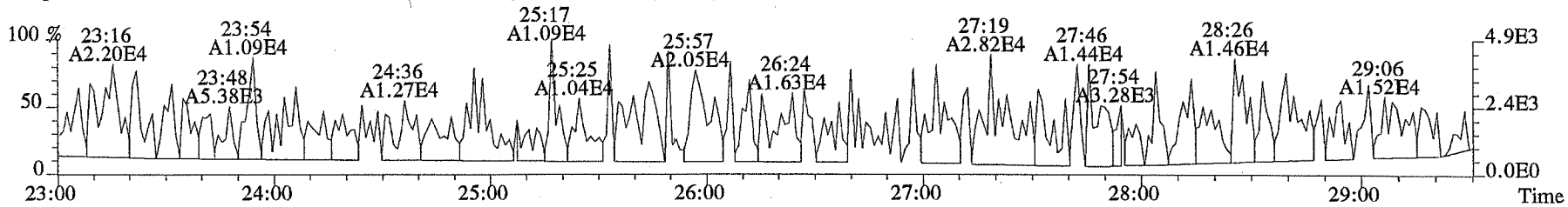
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



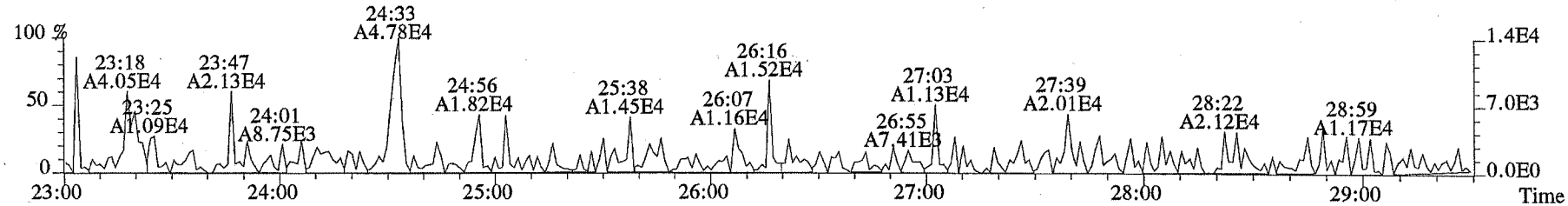
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



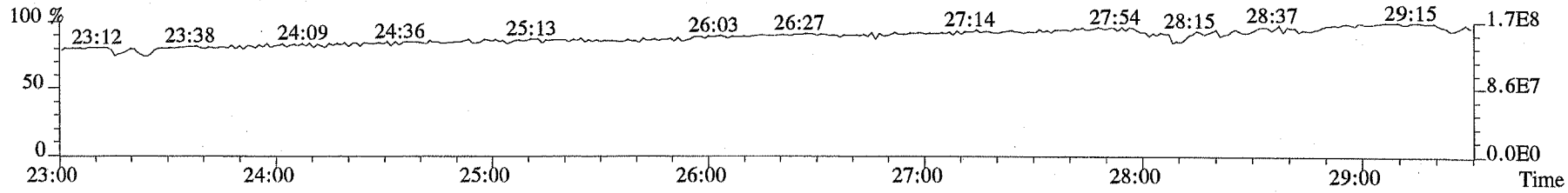
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



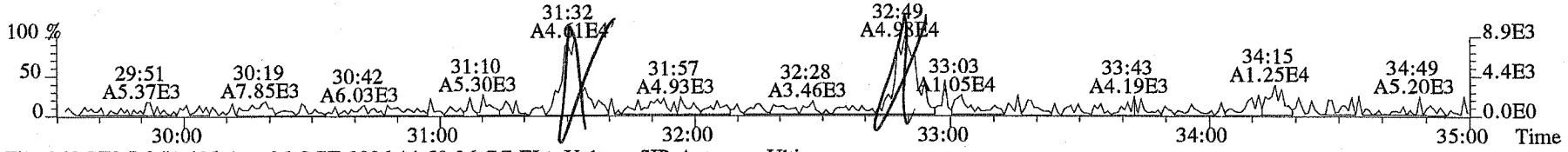
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



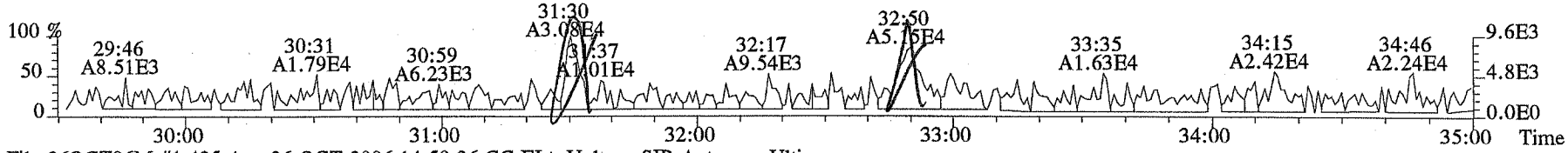
File:26OCT06M #1-390 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:3 Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



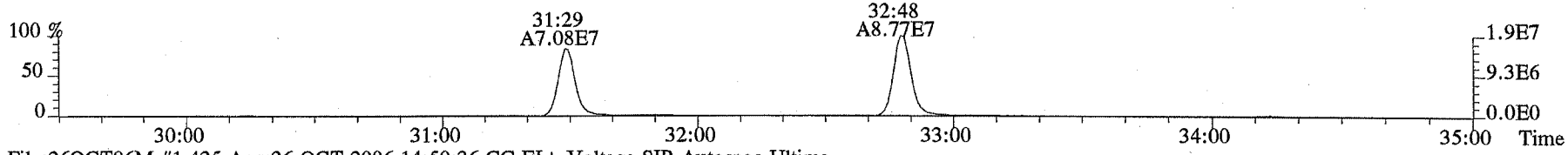
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



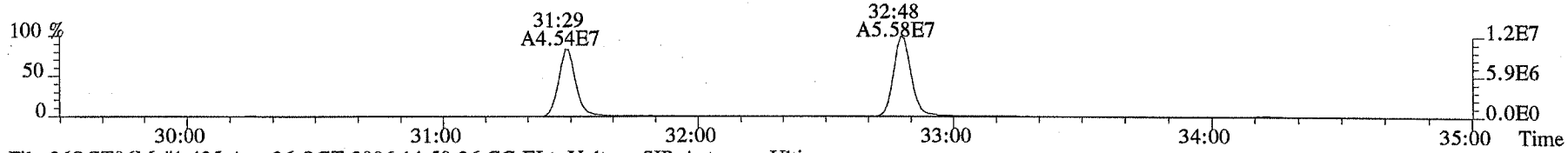
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



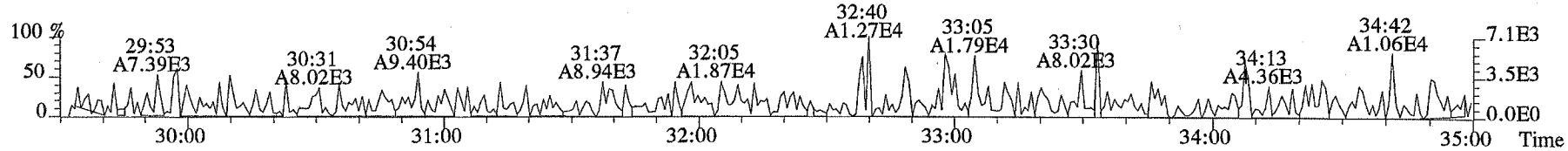
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



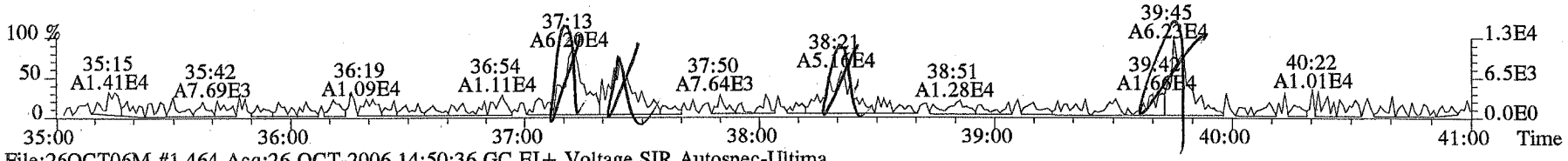
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



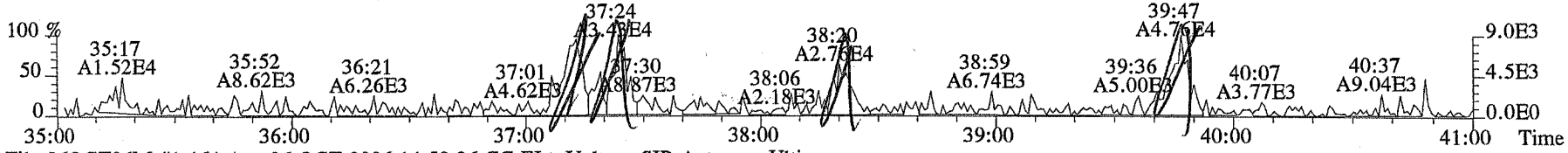
File:26OCT06M #1-425 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



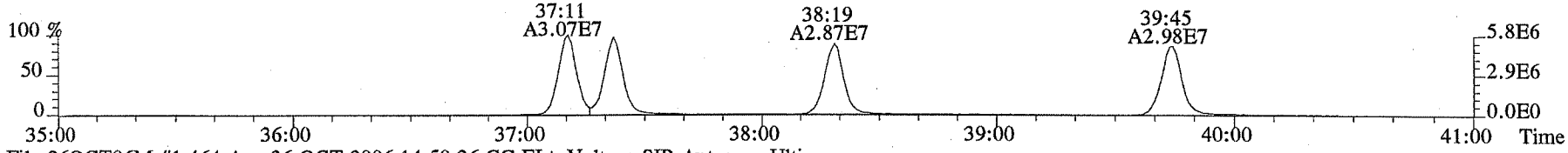
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



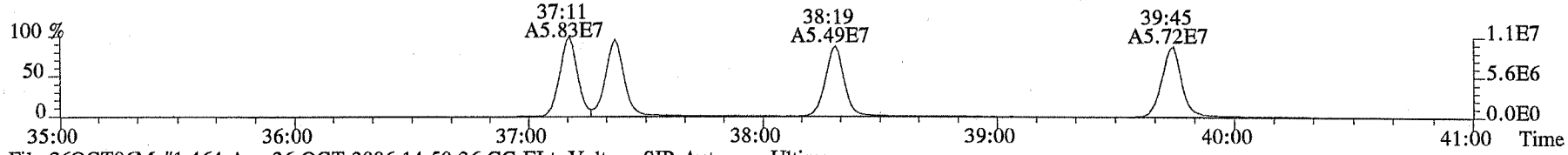
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



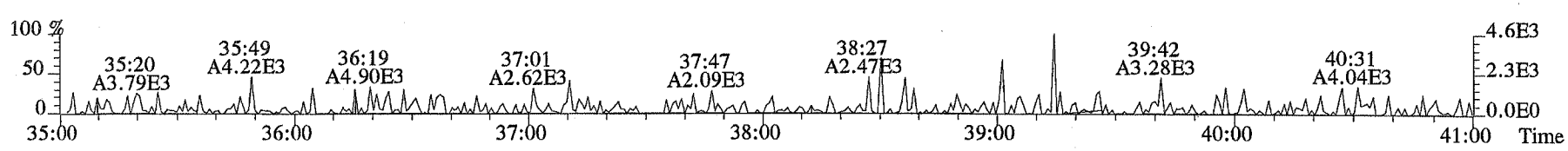
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



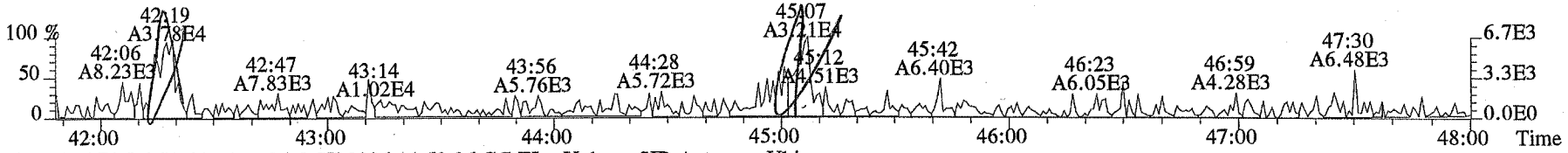
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



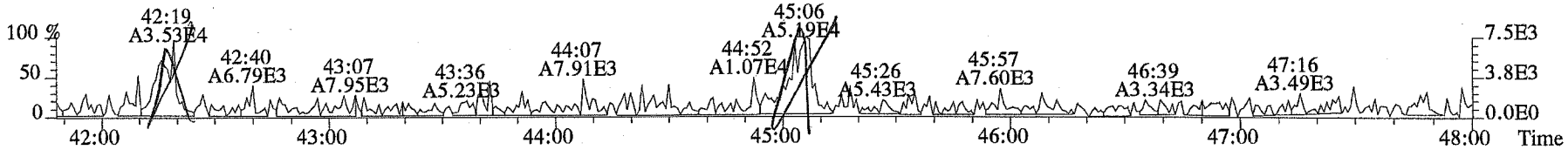
File:26OCT06M #1-464 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



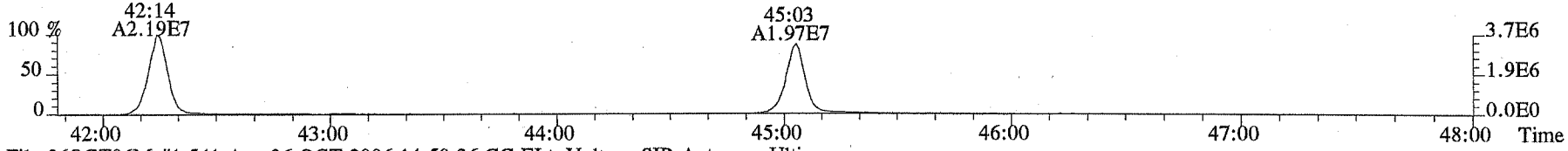
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



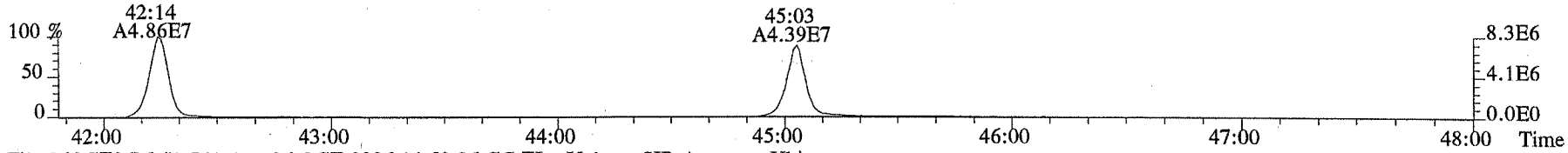
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



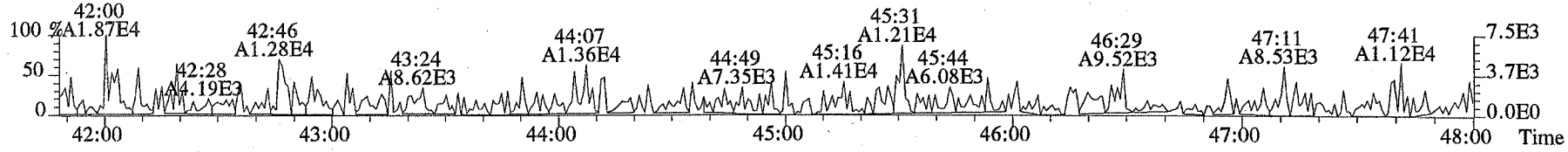
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



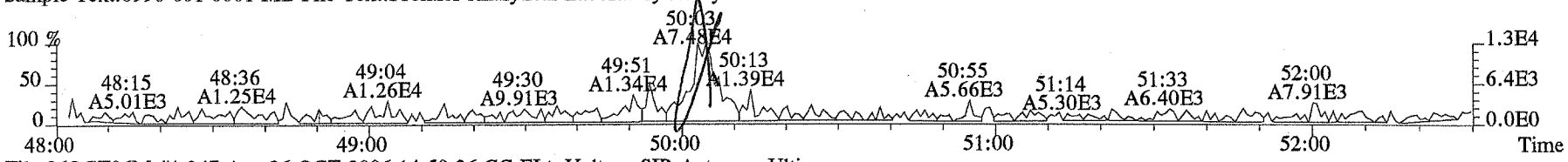
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



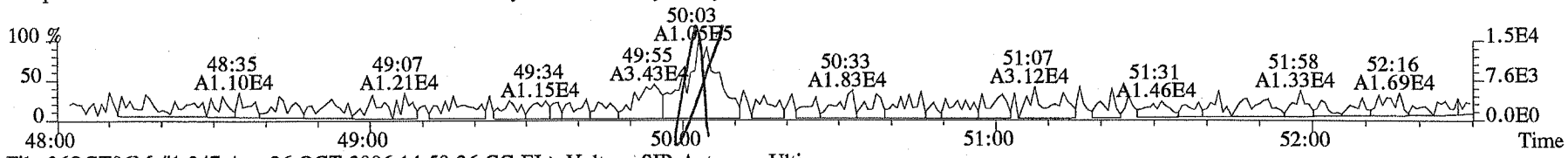
File:26OCT06M #1-541 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



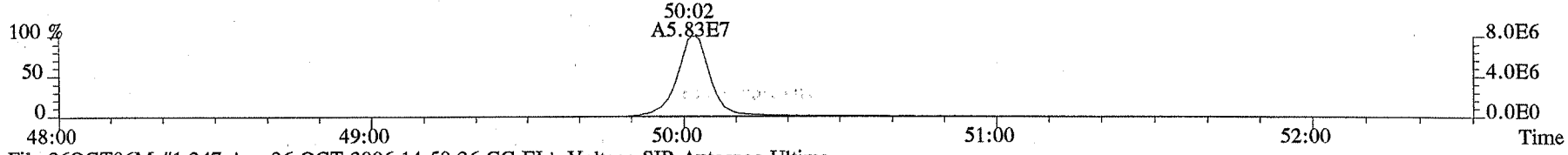
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



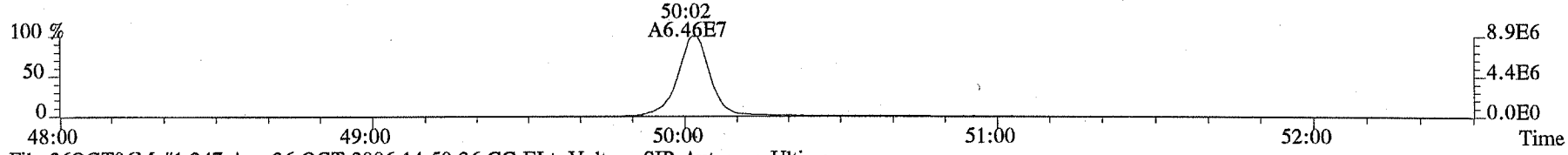
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



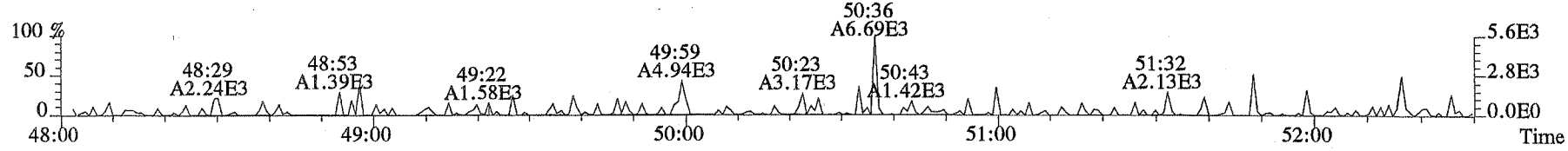
File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 14:50:36 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:BS



FAL ID: 0990-001-0001-MB Filename: 26OCT06M Sam:3 Acquired: 26-OCT-06 14:50:36 ICal: PCDDFAL3-10-24-06
Client ID: Method Blank ConCal: ST102606M1 EndCal: ST102606M2
Results: 4123 GC Column: db5 Amount: 1.000 NATO 1989 Tox: 0.00 WHO 1998 Tox: 0.00

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	*	*	n	NotFnd	1.19	*		2.50	2110	0.762	
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.69	*		2.50	1180	1.01	
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.94	*		2.50	2360	2.01	
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	0.81	*		2.50	2360	2.66	
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	0.74	*		2.50	2360	2.85	
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	0.89	*		2.50	1790	2.18	
OCDD	*	*	n	NotFnd	1.03	*		2.50	2650	3.65	
2,3,7,8-TCDF	*	*	n	NotFnd	0.97	*		2.50	2160	0.699	
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*		2.50	3050	1.86	
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.78	*		2.50	3050	1.65	
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	2520	1.26	
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.02	*		2.50	2520	1.15	
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.97	*		2.50	2520	1.33	
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.89	*		2.50	2520	1.45	
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	0.99	*		2.50	2260	1.37	
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	0.98	*		2.50	2260	1.57	
OCDF	*	*	n	NotFnd	0.84	*		2.50	2660	3.55	

							Rec
13C-2,3,7,8-TCDD	9.00e+07	0.79	y	27:25	0.95	1860	93.0
13C-1,2,3,7,8-PeCDD	1.05e+08	1.57	y	33:13	1.06	1950	97.5
13C-1,2,3,4,7,8-HxCDD	7.67e+07	1.30	y	38:34	1.05	1570	78.5
13C-1,2,3,6,7,8-HxCDD	7.05e+07	1.21	y	38:44	1.00	1530	76.4
13C-1,2,3,4,6,7,8-HpCDD	5.69e+07	1.05	y	44:08	0.82	1490	74.7
13C-OCDD	9.35e+07	0.90	y	49:40	0.68	2970	74.1
13C-2,3,7,8-TCDF	1.19e+08	0.79	y	26:40	0.98	1860	92.9
13C-1,2,3,7,8-PeCDF	1.16e+08	1.56	y	31:29	0.83	2150	108
13C-2,3,4,7,8-PeCDF	1.44e+08	1.57	y	32:48	0.97	2270	113
13C-1,2,3,4,7,8-HxCDF	8.89e+07	0.53	y	37:11	1.28	1500	74.9
13C-1,2,3,6,7,8-HxCDF	9.14e+07	0.52	y	37:22	1.29	1530	76.6
13C-2,3,4,6,7,8-HxCDF	8.36e+07	0.52	y	38:19	1.12	1600	80.2
13C-1,2,3,7,8,9-HxCDF	8.70e+07	0.52	y	39:45	1.27	1480	74.2
13C-1,2,3,4,6,7,8-HpCDF	7.05e+07	0.45	y	42:14	1.06	1440	71.9
13C-1,2,3,4,7,8,9-HpCDF	6.36e+07	0.45	y	45:03	0.94	1450	72.7
13C-OCDF	1.23e+08	0.90	y	50:02	0.95	2800	69.9
37Cl-2,3,7,8-TCDD	2.75e+07			27:26	0.65	827	103
13C-1,2,3,4-TCDD	1.02e+08	0.80	y	26:51	-	50.4	
13C-1,2,3,4-TCDF	1.30e+08	0.80	y	25:35	-	42.3	
13C-1,2,3,7,8,9-HxCDD	9.27e+07	1.27	y	39:11	-	60.1	

Total Tetra-Dioxins	*	NotFnd	1.19	*	2.50	2110	0.762	0	
Total Penta-Dioxins	*	NotFnd	0.69	*	2.50	1180	1.01	0	
Total Hexa-Dioxins	*	NotFnd	0.83	*	2.50	2360	2.85	0	
Total Hepta-Dioxins	*	NotFnd	0.89	*	2.50	1790	2.18	0	
Total Tetra-Furans	*	NotFnd	0.97	*	2.50	2160	0.699	0	
1st Fn. Tot Penta-Furans	*	NotFnd	0.80	*	2.50	3050	1.86	0	PeCDF
Total Penta-Furans	*	NotFnd	0.80	*	2.50	3050	1.86	0	0.00
Total Hexa-Furans	*	NotFnd	0.95	*	2.50	2520	1.45	0	
Total Hepta-Furans	*	NotFnd	0.99	*	2.50	2260	1.57	0	

Analyst: _____ Date: 10/27/06

1DFA - FORM I-HR CDD-1 SAMPLE No.
CDD/CDF SAMPLE DATA SUMMARY OPR
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) Aqueous LAB SAMPLE ID: 0990-001-OPR
SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 26OCT06M Sam: 2
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 25-OCT-06
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 25-OCT-06
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: NA DATE ANALYZED: 26-OCT-06
GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg)

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	27:26	0.78	10.3		*
2,3,7,8-TCDF	304/306	26:41	0.78	11.4		*
1,2,3,7,8-PeCDF	340/342	31:30	1.52	54.6		*
1,2,3,7,8-PeCDD	356/358	33:14	1.56	52.3		*
2,3,4,7,8-PeCDF	340/342	32:49	1.56	55.3		*
1,2,3,4,7,8-HxCDF	374/376	37:12	1.25	52.5		*
1,2,3,6,7,8-HxCDF	374/376	37:23	1.24	53.4		*
1,2,3,4,7,8-HxCDD	390/392	38:34	1.29	51.9		*
1,2,3,6,7,8-HxCDD	390/392	38:44	1.22	53.7		*
1,2,3,7,8,9-HxCDD	390/392	39:11	1.26	54.2		*
2,3,4,6,7,8-HxCDF	374/376	38:20	1.25	53.7		*
1,2,3,7,8,9-HxCDF	374/376	39:45	1.23	53.8		*
1,2,3,4,6,7,8-HpCDF	408/410	42:16	1.04	55.0		*
1,2,3,4,6,7,8-HpCDD	424/426	44:09	1.06	53.4		*
1,2,3,4,7,8,9-HpCDF	408/410	45:04	1.06	54.8		*
OCDD	458/460	49:41	0.87	109		*
OCDF	442/444	50:03	0.90	110		*

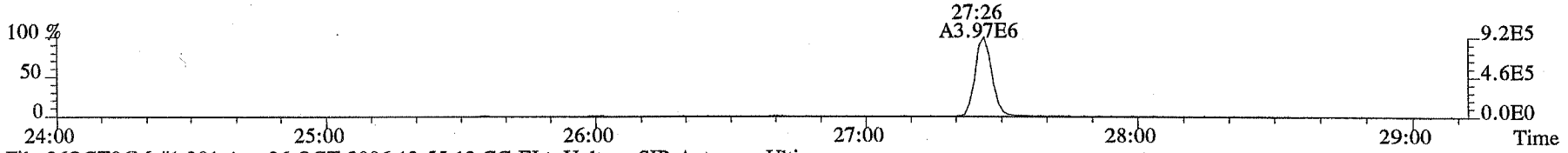
NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:25	0.78	0.65-0.89	88.8	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:12	1.57	1.32-1.78	101	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:34	1.25	1.05-1.43	79.5	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:43	1.26	1.05-1.43	76.6	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:08	1.05	0.88-1.20	75.5	23-140
13C-OCDD	470/472	49:39	0.89	0.76-1.02	71.7	17-157
13C-2,3,7,8-TCDF	316/318	26:40	0.78	0.65-0.89	86.9	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:29	1.57	1.32-1.78	99.6	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:47	1.54	1.32-1.78	106	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:10	0.53	0.43-0.59	77.3	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:22	0.53	0.43-0.59	78.1	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:44	0.53	0.43-0.59	75.4	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:19	0.54	0.43-0.59	80.4	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:15	0.45	0.37-0.51	73.1	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:03	0.45	0.37-0.51	72.7	26-138
13C-OCDF	454/456	50:02	0.90	0.76-1.02	69.2	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:26	NA	NA	93.0	35-197

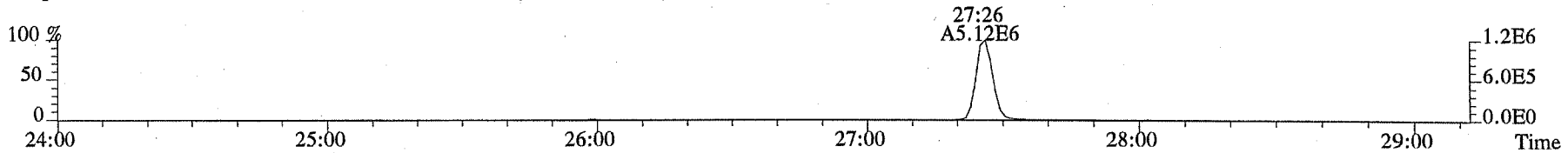
Column to be used to flag values outside (QC) limits.

ANALYST: _____ DATE: 10/27/06

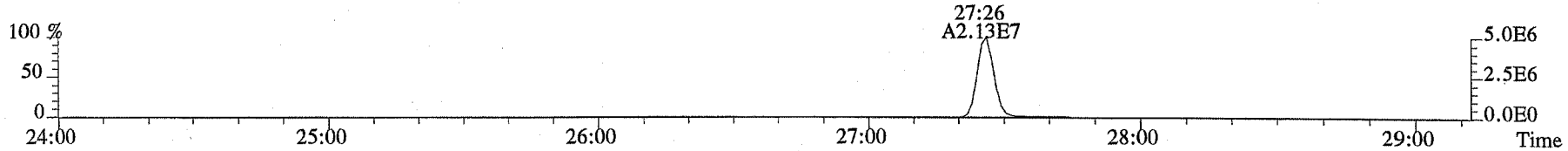
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



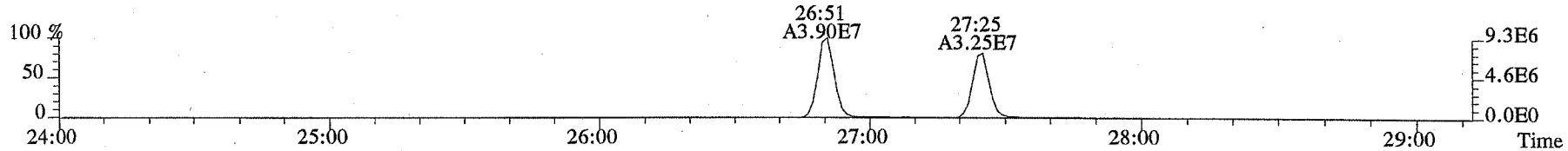
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



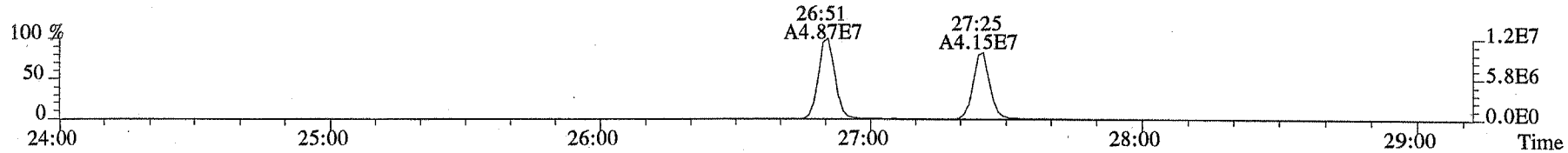
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



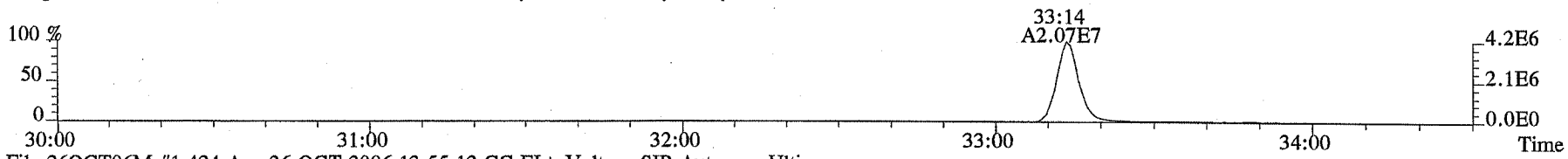
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



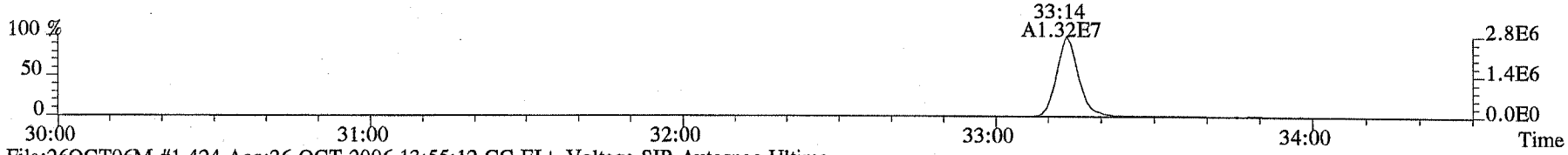
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



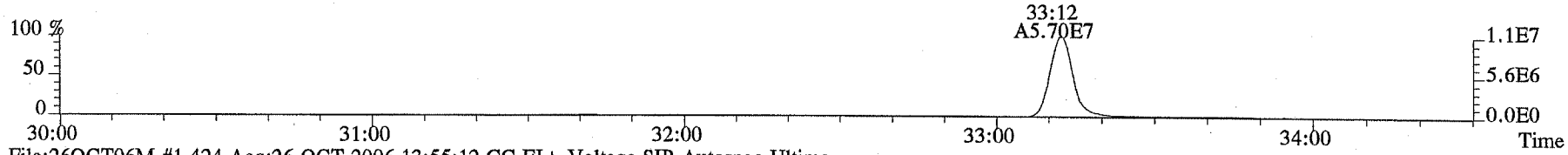
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



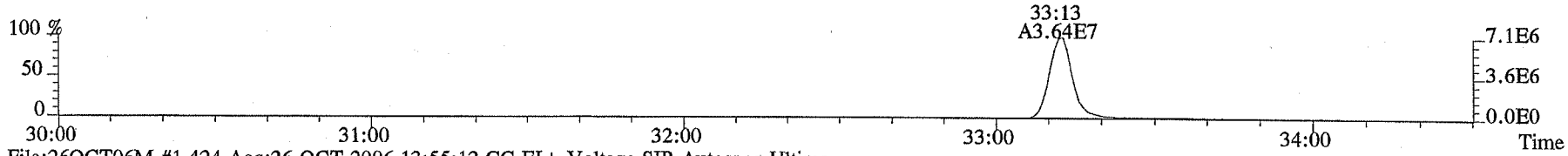
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



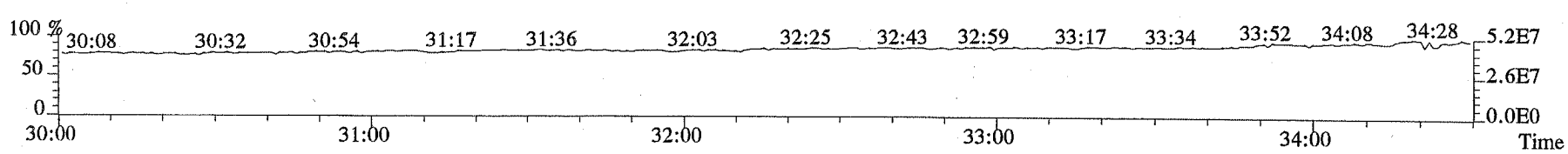
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



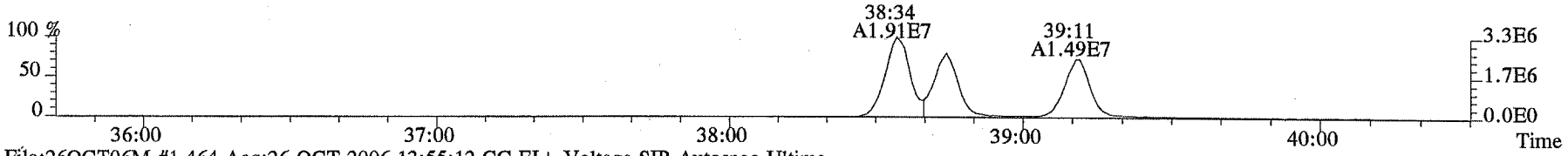
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



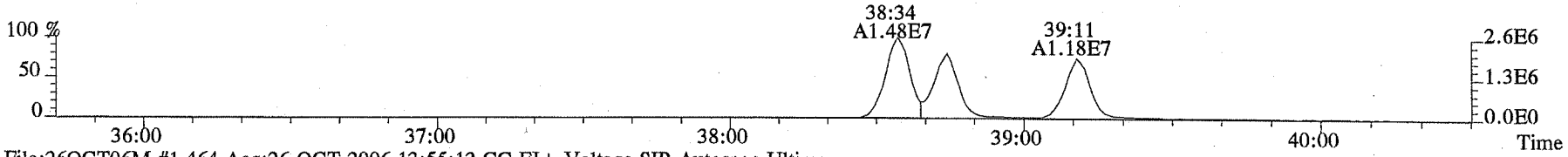
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



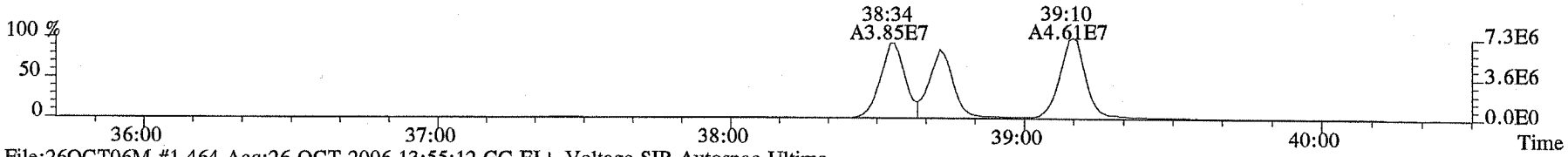
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



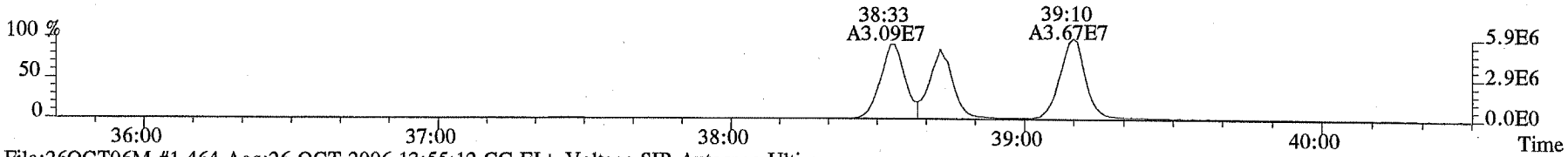
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



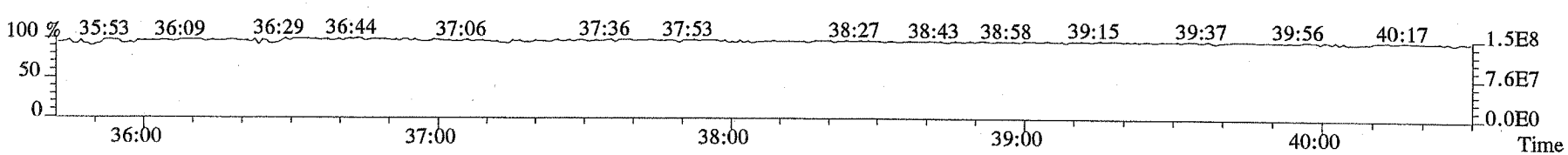
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



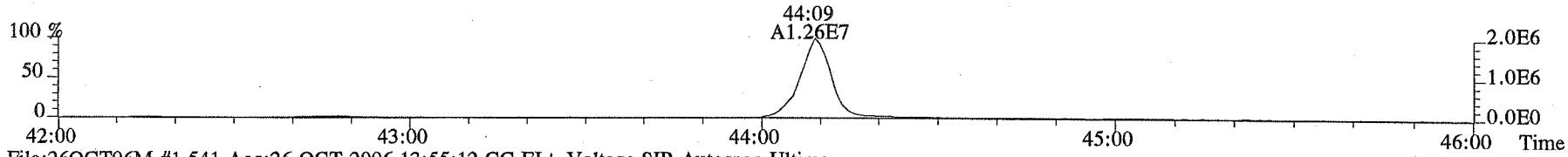
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



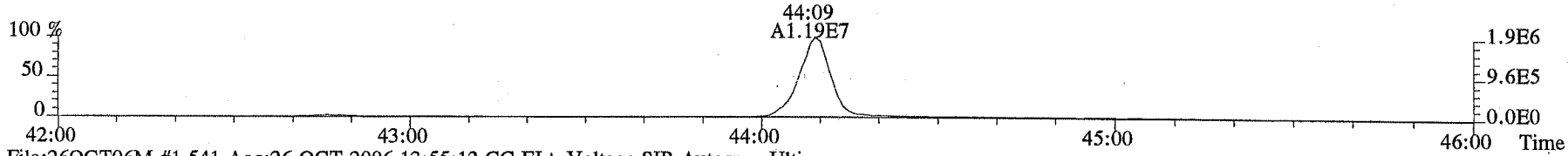
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:2 F:3 Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



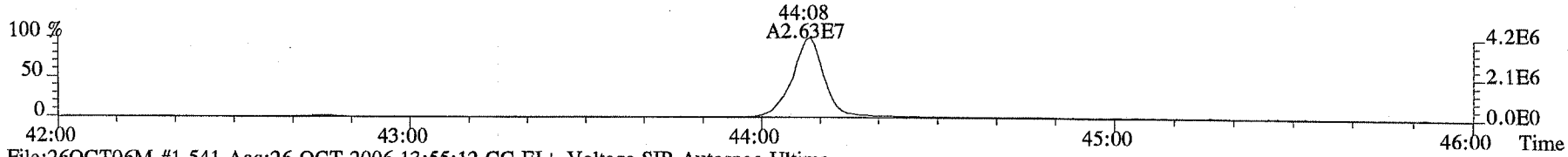
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



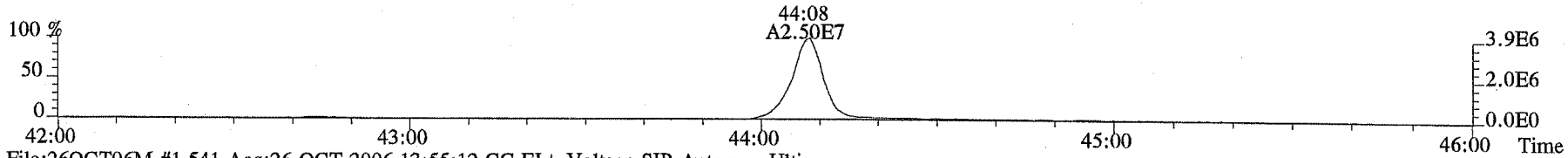
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



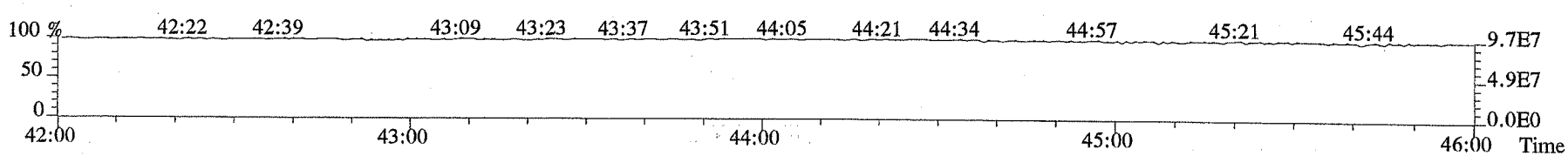
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



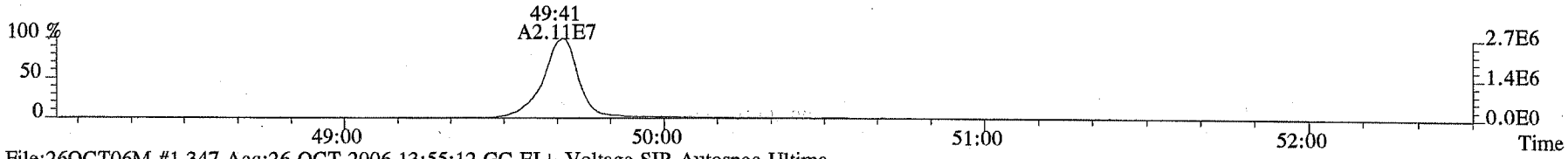
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



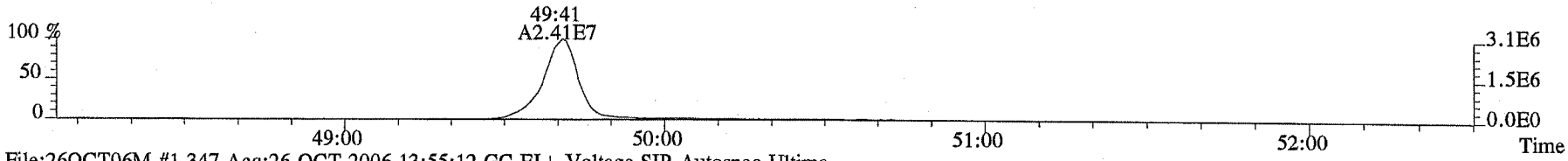
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



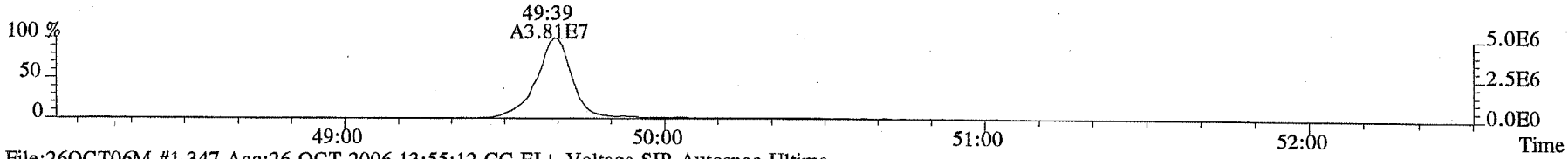
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



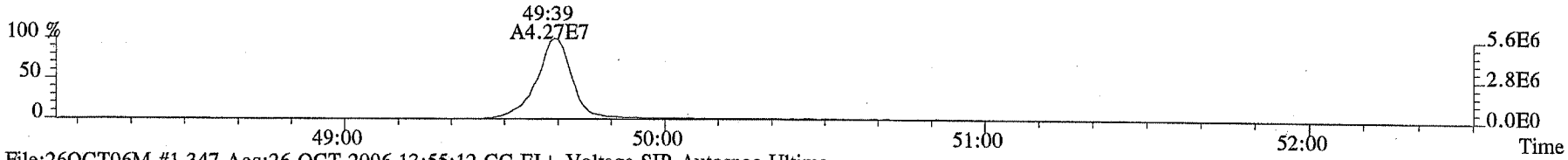
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



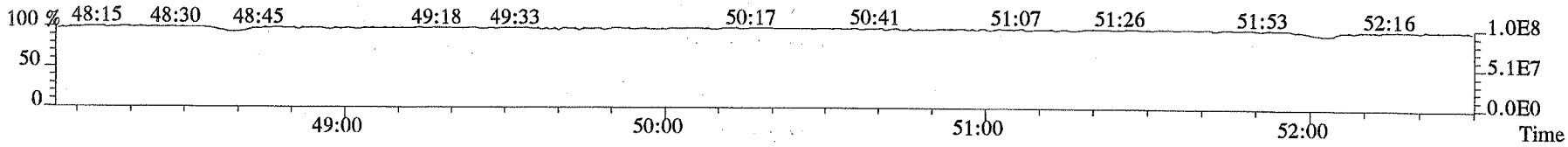
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



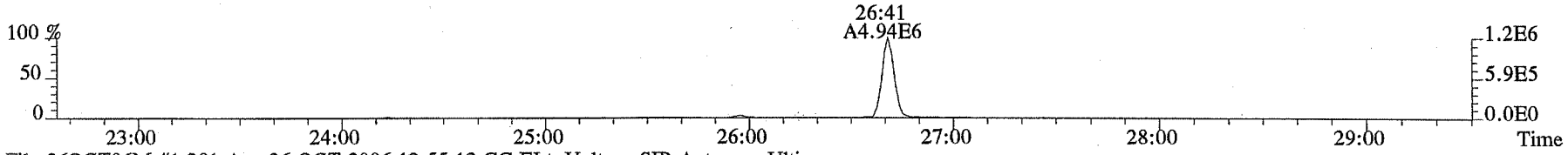
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



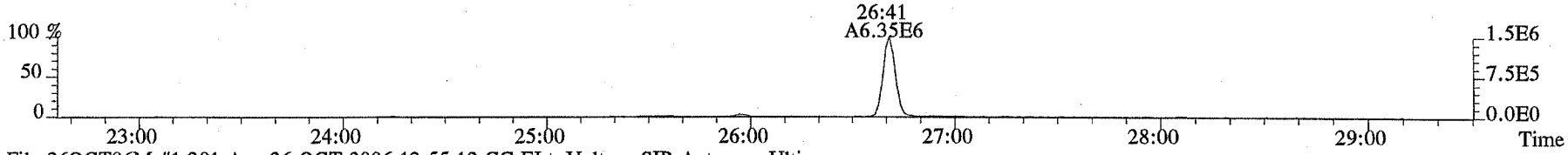
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



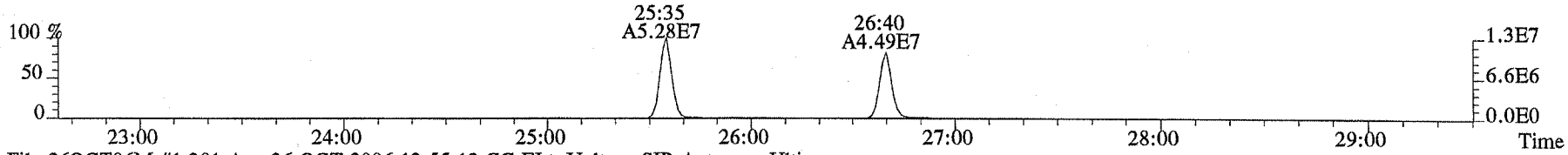
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



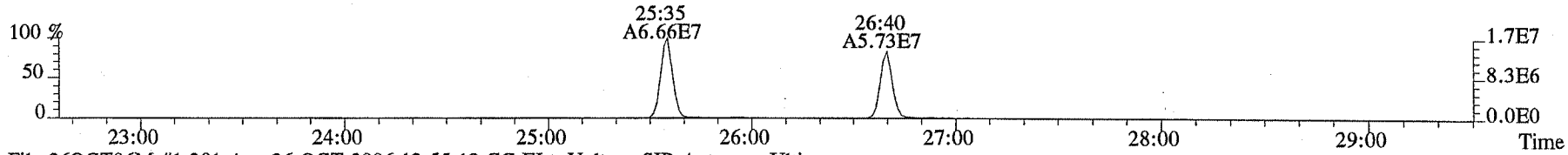
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



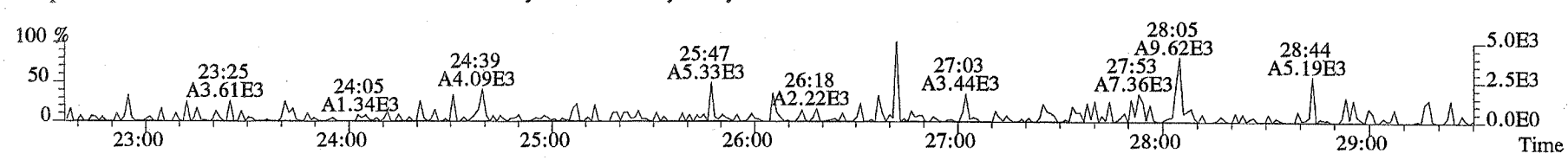
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



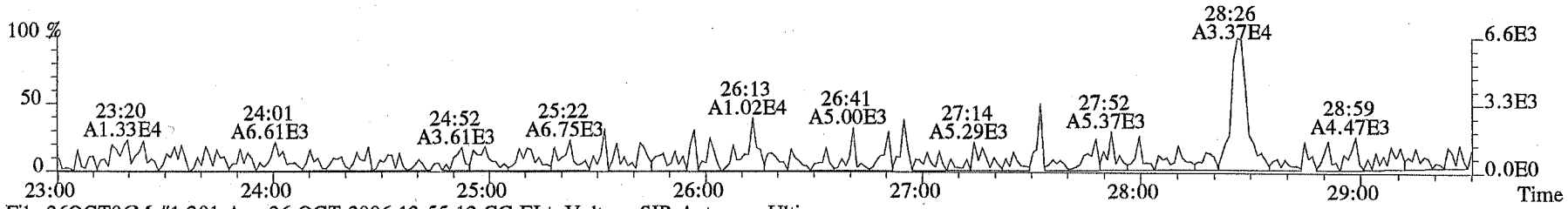
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



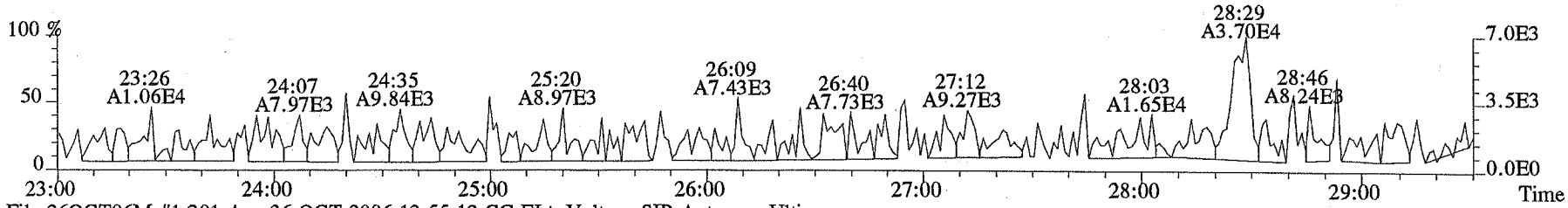
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



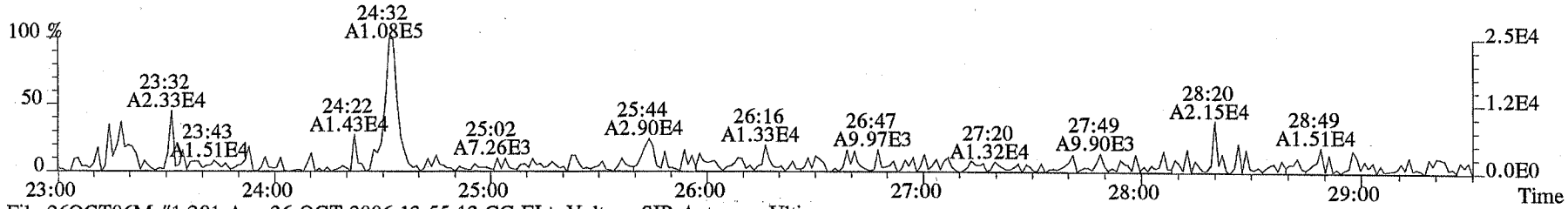
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



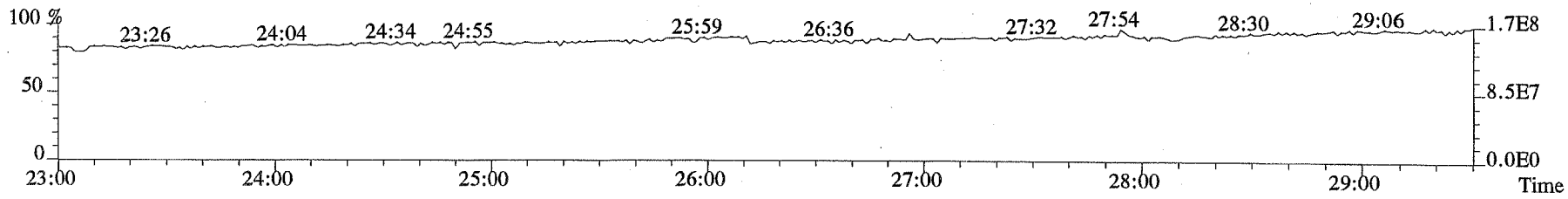
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



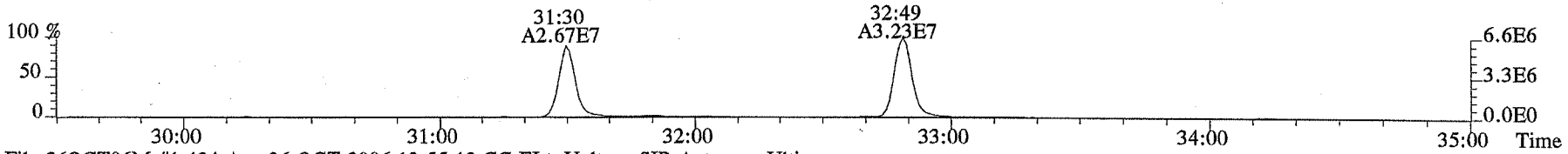
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



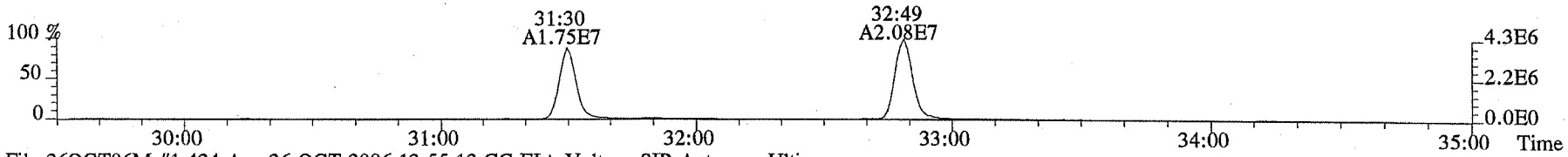
File:26OCT06M #1-391 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:2 Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



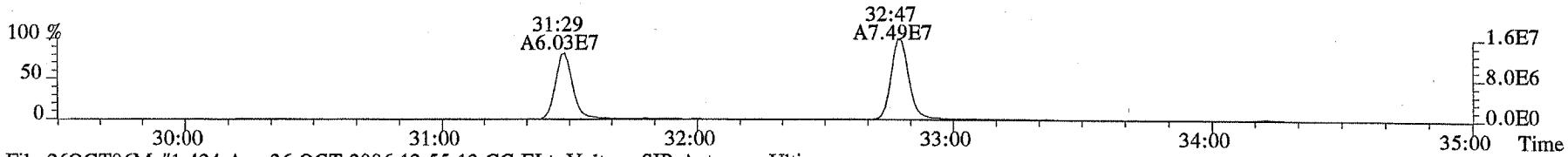
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



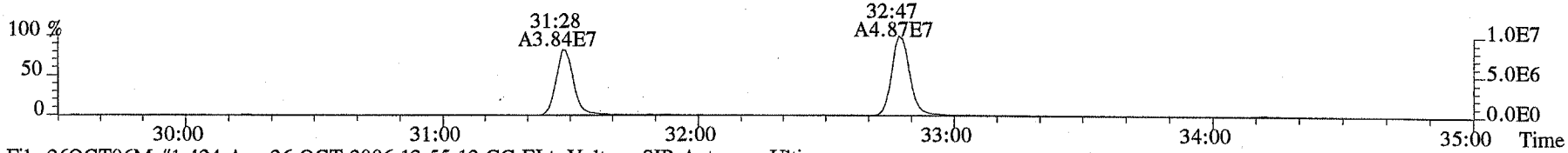
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



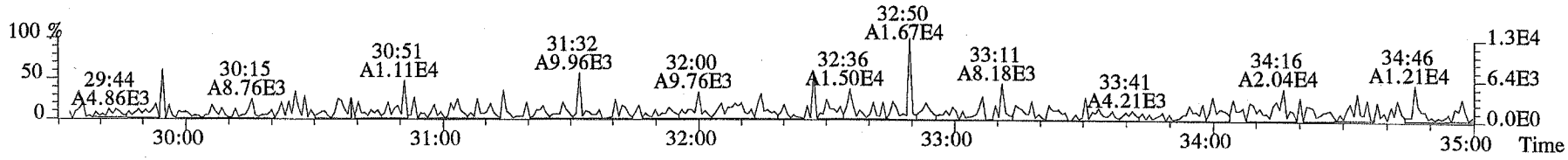
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



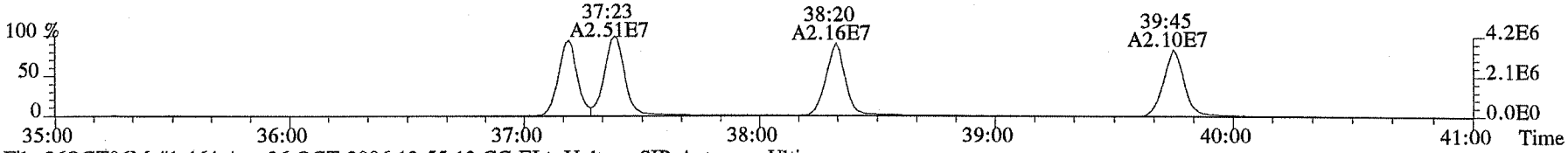
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



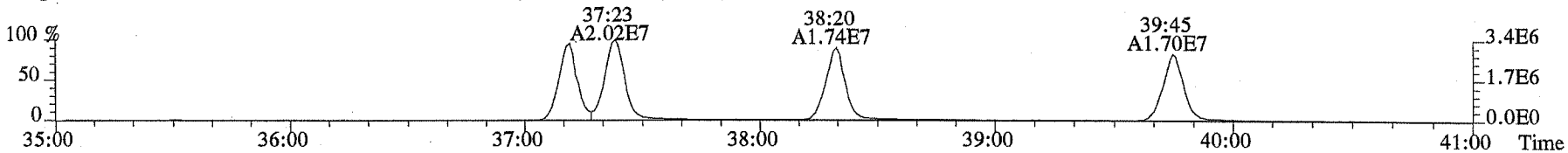
File:26OCT06M #1-424 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



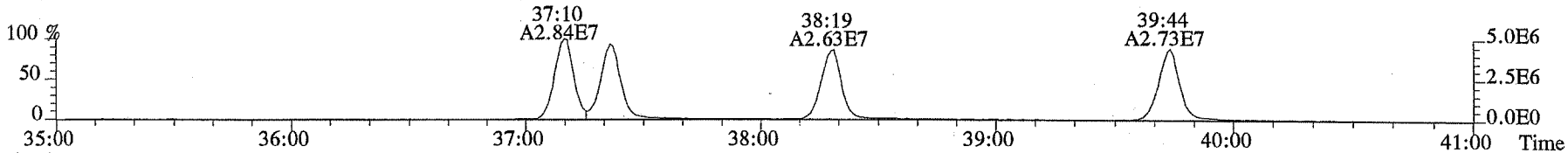
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



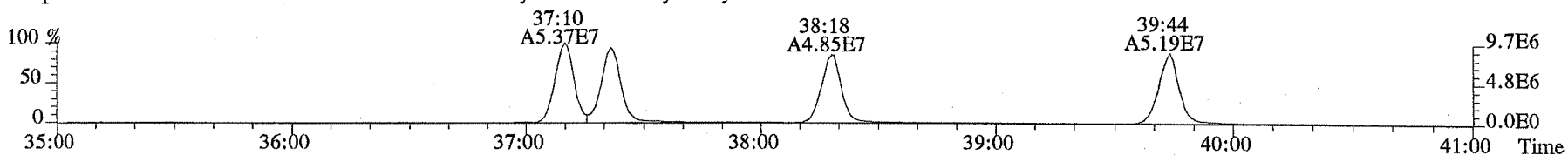
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



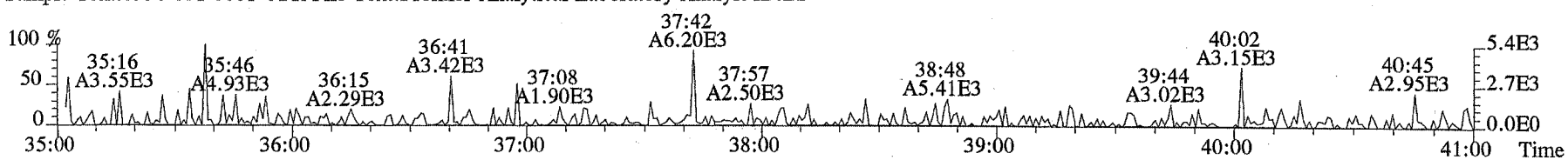
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



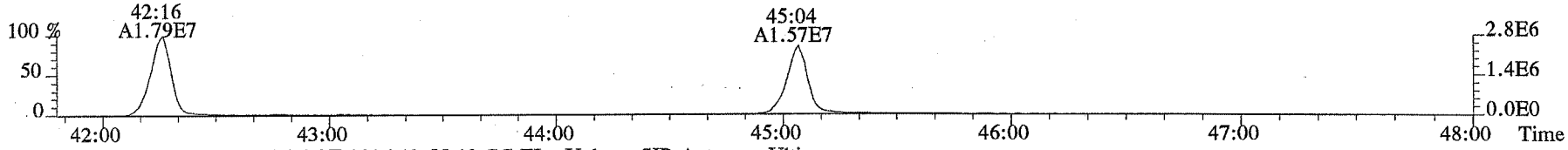
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



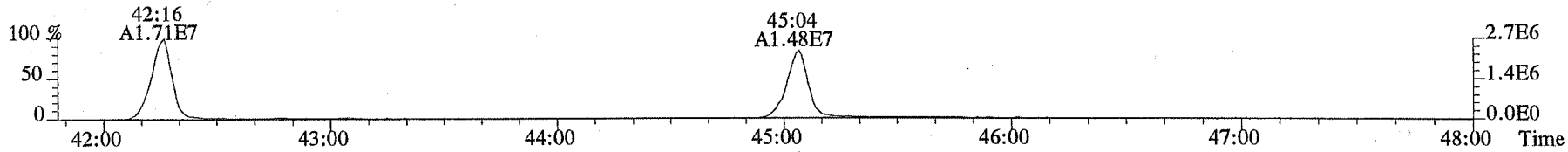
File:26OCT06M #1-464 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



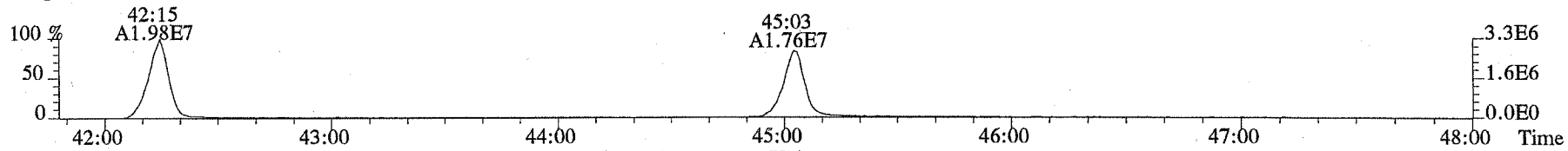
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



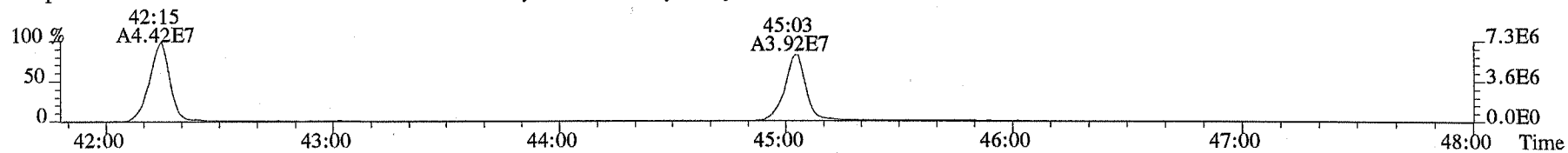
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



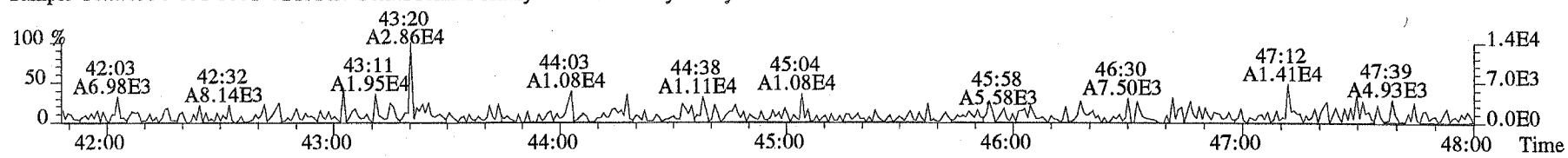
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



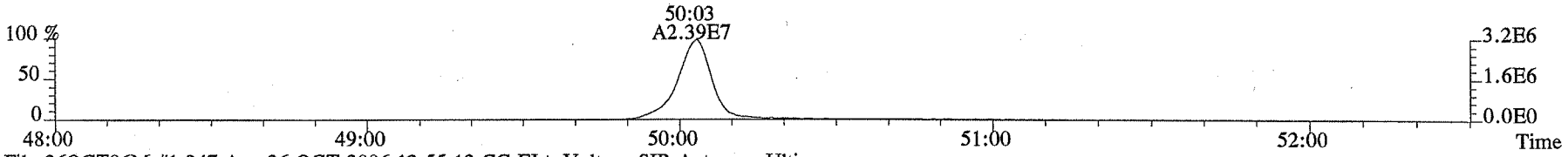
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



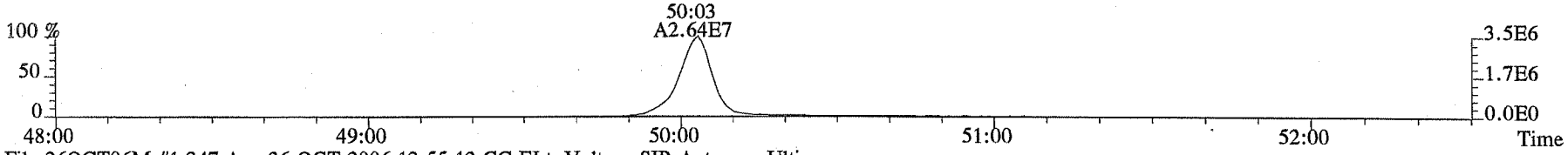
File:26OCT06M #1-541 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



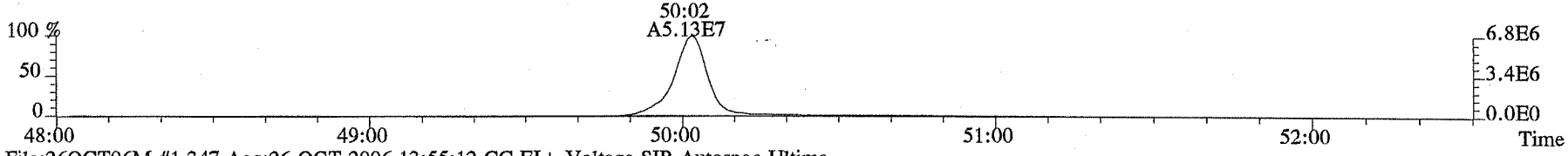
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



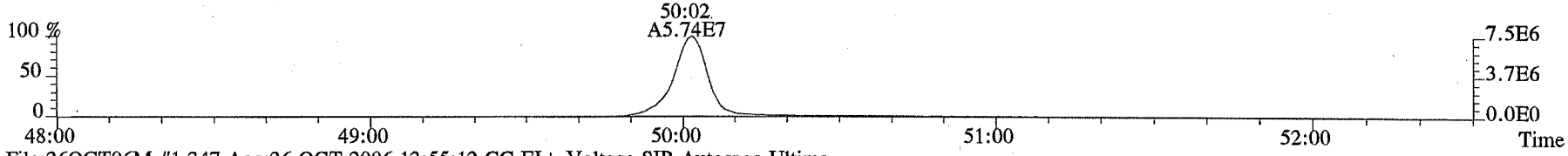
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



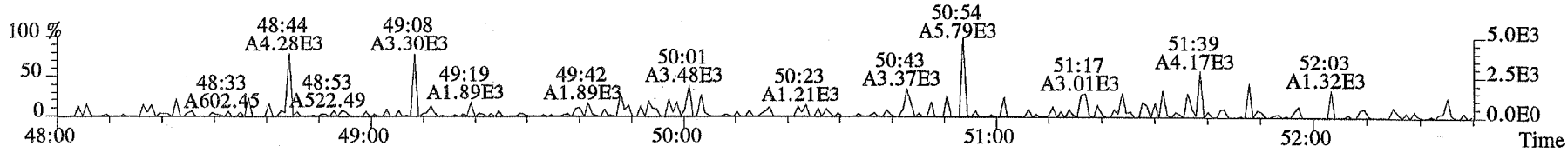
File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



File:26OCT06M #1-347 Acq:26-OCT-2006 13:55:12 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:0990-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:BS



FAL ID: 0990-001-0001-OPR Filename: 26OCT06M Sam:2 Acquired: 26-OCT-06 13:55:12 ICal: PCDDFAL3-10-24-06
Client ID: OPR ConCal: ST102606M1 EndCal: ST102606M2
Results: 4123 GC Column: db5 Amount: 1.000 NATO 1989 Tox: 107
WHO 1998 Tox: 133

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	9.09e+06	0.78 y	27:26	1.19	10.3		2.50	-	*	
1,2,3,7,8-PeCDD	3.39e+07	1.56 y	33:14	0.69	52.3		2.50	-	*	
1,2,3,4,7,8-HxCDD	3.39e+07	1.29 y	38:34	0.94	51.9		2.50	-	*	
1,2,3,6,7,8-HxCDD	2.76e+07	1.22 y	38:44	0.81	53.7		2.50	-	*	
1,2,3,7,8,9-HxCDD	2.67e+07	1.26 y	39:11	0.74	54.2		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	2.44e+07	1.06 y	44:09	0.89	53.4		2.50	-	*	
OCDD	4.52e+07	0.87 y	49:41	1.03	109		2.50	-	*	
2,3,7,8-TCDF	1.13e+07	0.78 y	26:41	0.97	11.4		2.50	-	*	
1,2,3,7,8-PeCDF	4.43e+07	1.52 y	31:30	0.82	54.6		2.50	-	*	
2,3,4,7,8-PeCDF	5.31e+07	1.56 y	32:49	0.78	55.3		2.50	-	*	
1,2,3,4,7,8-HxCDF	3.88e+07	1.25 y	37:12	0.90	52.5		2.50	-	*	
1,2,3,6,7,8-HxCDF	4.54e+07	1.24 y	37:23	1.02	53.4		2.50	-	*	
2,3,4,6,7,8-HxCDF	3.90e+07	1.25 y	38:20	0.97	53.7		2.50	-	*	
1,2,3,7,8,9-HxCDF	3.81e+07	1.23 y	39:45	0.89	53.8		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	3.50e+07	1.04 y	42:16	0.99	55.0		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	3.06e+07	1.06 y	45:04	0.98	54.8		2.50	-	*	
OCDF	5.02e+07	0.90 y	50:03	0.84	110		2.50	-	*	
										Rec
13C-2,3,7,8-TCDD	7.39e+07	0.78 y	27:25	0.95	88.8					88.8
13C-1,2,3,7,8-PeCDD	9.34e+07	1.57 y	33:12	1.06	101					101
13C-1,2,3,4,7,8-HxCDD	6.94e+07	1.25 y	38:34	1.05	79.5					79.5
13C-1,2,3,6,7,8-HxCDD	6.32e+07	1.26 y	38:43	1.00	76.6					76.6
13C-1,2,3,4,6,7,8-HpCDD	5.13e+07	1.05 y	44:08	0.82	75.5					75.5
13C-OCDD	8.08e+07	0.89 y	49:39	0.68	143					71.7
13C-2,3,7,8-TCDF	1.02e+08	0.78 y	26:40	0.98	86.9					86.9
13C-1,2,3,7,8-PeCDF	9.87e+07	1.57 y	31:29	0.83	99.6					99.6
13C-2,3,4,7,8-PeCDF	1.24e+08	1.54 y	32:47	0.97	106					106
13C-1,2,3,4,7,8-HxCDF	8.21e+07	0.53 y	37:10	1.28	77.3					77.3
13C-1,2,3,6,7,8-HxCDF	8.33e+07	0.53 y	37:22	1.29	78.1					78.1
13C-2,3,4,6,7,8-HxCDF	7.49e+07	0.54 y	38:19	1.12	80.4					80.4
13C-1,2,3,7,8,9-HxCDF	7.91e+07	0.53 y	39:44	1.27	75.4					75.4
13C-1,2,3,4,6,7,8-HpCDF	6.40e+07	0.45 y	42:15	1.06	73.1					73.1
13C-1,2,3,4,7,8,9-HpCDF	5.69e+07	0.45 y	45:03	0.94	72.7					72.7
13C-OCDF	1.09e+08	0.90 y	50:02	0.95	138					69.2
37Cl-2,3,7,8-TCDD	2.13e+07		27:26	0.65	37.2					93.0
13C-1,2,3,4-TCDD	8.78e+07	0.80 y	26:51	-	43.4					
13C-1,2,3,4-TCDF	1.19e+08	0.79 y	25:35	-	38.8					
13C-1,2,3,7,8,9-HxCDD	8.28e+07	1.25 y	39:10	-	53.7					
							Fac	Noise	DL	#Hom
Total Tetra-Dioxins	9.61e+06		23:04	1.19	10.9		2.50	-	*	23
Total Penta-Dioxins	3.47e+07		31:28	0.69	53.5		2.50	-	*	16
Total Hexa-Dioxins	8.92e+07		36:08	0.83	161		2.50	-	*	22
Total Hepta-Dioxins	2.61e+07		41:34	0.89	57.0		2.50	-	*	35
Total Tetra-Furans	1.22e+07		23:04	0.97	12.3		2.50	-	*	22
1st Fn. Tot Penta-Furans	2.89e+05		22:54	0.80	0.326		2.50	-	*	32 PeCDF
Total Penta-Furans	1.00e+08		30:15	0.80	113		2.50	-	*	15 114
Total Hexa-Furans	1.63e+08		35:15	0.95	215		2.50	-	*	22
Total Hepta-Furans	6.75e+07		42:16	0.99	113		2.50	-	*	24

Analyst: _____ Date: 10/27/06

PROJECT REQUEST SHEET

Project #:	4118	Sample #:	1	Client Manager:	BS
Client:	TestAmerica - Irvine,	Storage:	R1	Hold Time:	10/28/2006
Matrix:	Aqueous	Extraction Batch:	D988 0990	Due Date:	11/10/2006
Method:	DLM02.0 D/F				

COMMENTS/INSTRUCTIONS: particulates present

Sample	Full Weight (g) -NC-	Empty Weight (g)
4118-001-0001-SA	1528.1	492.48
4118-001-X002-SA	~~1547.1~~ 1529.0 GN	493.32

Results: 4118

Instrument:

DB5 FAL-3

DB225 _____

DB1 _____

Other _____

Extract/s located in box: "Las Piedras Perdidas"

Standards: ~~4118~~ 4118

DN 10/26/06

Percent Solids

FAL Project: 4118

Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv
1.23 4118-001-0001-SA	GN	10/20/10	12.87	0.00g	0%	—

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

% solids = aliquot after drying/aliquot before drying x 100

- Samples containing one percent solids or less are prepared as aqueous samples.
- Samples containing greater than one percent solids prepared as solid samples.

EXTRACTION SHEET

Project #: 4118 Extraction Date: 2006-10-20 Extraction Chemist: GN

Method/Analysis: DLM02.0 D/F

Procedure: SPE/SOX Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: 051212A Vial: 5 Chemist/Witness/Date	NS Amt: 10.0uL ID: 051212B Vial: 3 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 051212C Vial: 5 Chemist/Witness/Date
0988-001-0001-MB					
0988-001-0001-OPR					
4118-001-0001-SA	1.036		GN 10/20/06	NA	GN 10/23/06

4109

Comments:

CLEANUP SHEET

Project #: 4118

Method/Analysis: DLM02.0 D/F

Splits: 0 Split Date: N/A Final Volume: 20.0uL

Sample ID	Cleanup 1 MS&Acid/Alumina Chemist/Date	Cleanup 2 NA Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 051212D Vial: 4 Chemist/Witness/Date
0988-001-0001-MB				
0988-001-0001-OPR				
4118-001-0001-SA	GN 10/23/06	NA	NA	GN 10/23/06

4109

Comments:

EXTRACTION SHEET

Project #: 4118 Extraction Date: 2006-10-25 Extraction Chemist: GN

Method/Analysis: DLM02.0 D/F

Procedure: SPE/SOX Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: 061011A Vial: 1 Chemist/Witness/Date	NS Amt: 10.0uL ID: 061011B Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 061011C Vial: 1 Chemist/Witness/Date
0990-001-0001-MB					
0990-001-0001-OPR					
4118-001-X002-SA	1.036		GN 10/25/06	NA	GN 10/26/06

4117

Comments:

CLEANUP SHEET

Project #: 4118

Method/Analysis: DLM02.0 D/F

Splits: 0 Split Date: N/A Final Volume: 20.0uL

Sample ID	Cleanup 1 MSG/Acid Alumina Chemist/Date	Cleanup 2 NA Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 061011D Vial: 1 Chemist/Witness/Date
0990-001-0001-MB				
0990-001-0001-OPR				
4118-001-X002-SA	GN 10/26/06	NA	NA	GN 10/26/06

4117

Comments:

Frontier Analytical Laboratory

Sample Check in/Check out/Disposal Log

pH = 7

FAL Project No. 4118

Check in / Check out

Sample Number/s	Dupes	Check in	Check out	To/from Location	Date	Time	Entire Used?	Initials
1	1	X		R1	2006-10-19	10:00:00		NM
1(1of2)			✓	R1	10/20/06	1005	✓	GN
1(1of2)		✓		R1	10/20/06	1600	empty	GN
1(2of2)			✓	R1	10/25/06	1207	✓	GN
1(2of2)		✓		R1	10/25/06	1615	empty	GN

DLM: DO NOT DISCARD BOTTLES

Disposal

Sample Number/s	Over 1ppb*	Under 1ppb	From Location	Disposal Date/Time	Initials

*Samples over 1ppb total of PCDDs/PCDFs , PCBs or PAHs require specialized disposal.

Contact SafetyKleen to arrange disposal of any expired samples over the 1 ppb level.

From: Origin ID: (949)261-1022
Sample Control
TESTAMERICA-IRVINE
17461 DERIAN AVE
SUITE
IRVINE, CA 92614

FedEx Express

CLS891466/19/23

Ship Date: 18OCT06
ActWgt: 15 LB
System#: 1184121/INET2500
Account#: S *********

REF: 122-173 SC

Delivery Address Bar Code

SHIP TO: (916)934-0900 **BILL THIRD PARTY**

Samples Receiving
Frontier Analytical Lab - SUB
5172 Hillsdale Circle

El Dorado Hills, CA 95762

RELEASE#: 3785346

PRIORITY OVERNIGHT

THU
Deliver By:
19OCT06

TRK# 7922 2508 5535

FORM 0201

SMF A2

95762 -CA-US

WD MHRA

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

TestAmerica
ANALYTICAL TESTING CORPORATION

4118
0°

SUBCONTRACT ORDER - PROJECT # IPJ1685

SENDING LABORATORY:
TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:
Frontier Analytical Lab - SUB
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone :(916) 934-0900
Fax: (916) 934-0999

Work Order Comments:
Need method DLM020-Dioxins/Furans, Geotracker EDF, ERPIMS EDD.

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPJ1685-01 Water	**Sampled: 10/17/06 11:40**	
~~8290/1613~~-Dioxin-HR	10/24/06 11:40	Sub Frontier Analytical. Need DLM020 method
EDF	11/14/06 11:40	Global=SL603798629

Containers Supplied:
1 L Amber (IPJ1685-01A)
1 L Amber (IPJ1685-01B)

SAMPLE INTEGRITY:

All containers intact: ☑ Yes ☐ No
Custody Seals Present: ☑ Yes ☐ No
Sample labels/COC agree: ☑ Yes ☐ No
Samples Preserved Properly: ☑ Yes ☐ No
Samples Received On Ice:: ☑ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
Lin Bank	10/18/06		[signature]	10/19/06	1000
Released By	Date	Time	Received By	Date	Time

CDD/CDF
SAMPLE LOG-IN SHEET (DC-1)

Lab Name Frontier Analytical Laboratory		Page 1 of 1
Received By (Print Name) Nial Maloney		Log-in Date
Received By (Signature) Nial Maloney		
Contract No.		TO No.
Case No.	Sample Delivery Group No.	

Remarks:		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	~~Present~~/Absent* ~~Intact~~/Broken		IPS1685-01	4118-001-SA	
2. Custody Seal Nos.					
3. Chain of Custody Records	Present/Absent*				
4. Traffic Reports or Packing Lists					
5. Airbill	Airbill/Sticker Present/Absent*				
6. Airbill No.	~~1922508~~ 5535				
7. Sample Tags	Present/Absent*				
Sample Tag Numbers	Listed/~~Not Listed~~ on Chain of Custody Record				
8. Sample Condition	Intact/Broken*/ Leaking				
9. Cooler Temperature	0°C				
10. Does information on custody records and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	10/19/06				
12. Time Received	1000				

Sample Transfer

Fraction 1		Fraction 1	
Area # SC→Prep	SC→Prep	Area # Prep→Instr.	Prep→Instr.
By 10/20 GN	GN	By GN	GN
On 10/20/06	10/20/06	On 10/21/06	10/20/06

* Contact TOPO and attach record of resolution.

Reviewed By	Logbook No.
Date	Logbook Page No.

000198 of 000198